

**Final**

**YEAR 2016**

**303(d) LIST**

December, 2017



**TENNESSEE DEPARTMENT OF ENVIRONMENT  
AND CONSERVATION**

**Planning and Standards Unit  
Division of Water Resources  
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# GUIDANCE FOR UNDERSTANDING AND INTERPRETING THE 2016 303(d) LIST

October, 2016

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

Section 303(d) of the federal Clean Water Act requires that states develop a compilation of the streams and lakes that are “water quality limited” or are expected to exceed water quality standards in the next two years and need additional pollution controls (i.e. a Total Maximum Daily Load). 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, stream considered threatened by pollutants are also appropriate for 303(d) listing, if the trend is likely to lead to a criterion being violated. The 303(d) List prioritizes impacted streams for specialized studies called Total Maximum Daily Load (TMDL). In one waterbody, Barkley Reservoir, a Total Maximum Daily Thermal Load study is needed.

The Final 2016 List, approved by EPA in December 2017, will replace the previous one published in 2014.

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 and enforcement, 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 impaired, regardless of whether or not it appears on the 303(d) List, the Division cannot authorize additional loadings of the same pollutant(s). 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 2016**

### **Reassessment of Group 2 and Group 3 Watersheds**

Consistent with the watershed approach, the major difference between the 2014 and 2016 versions of the List is the reassessment of the Group 2 and 3 watersheds. It is in these areas of the state that the reviewer will note the most significant assessment changes.

### **More Formalized Use of Evaluated Assessments**

Division policy has always allowed the use of stream information beyond the traditional in-stream biological and chemical data for use in water quality assessments. In 2016, this policy was formalized into a guidance document developed prior to completion of the Group 3 reassessments. Alternative data sources include biological data older than 5 years that either scored very well or very poorly; severely habitat-impaired streams that have not changed such as concrete-lined channels; and highly protected streams within national parks or natural areas. This guidance can be accessed at: <http://www.tn.gov/environment/article/wr-wq-water-quality-reports-publications> .

### **Use of EPA’s Recovery Potential Tool (RPT) in Planning Watershed Monitoring**

The Department used the RPT to identify high priority monitoring sites for Group 4 watersheds. The RPT works by searching databases and GIS coverages for attributes selected by staff. This methodical approach will help make the most of our monitoring resources and will insure that high priority streams get monitored.

### 303(d) ASSESSMENT CATEGORIES USED IN 2016

The assessment categories suggested by EPA have been incorporated into the development of the 2016 303(d) List. Each stream or lake in Tennessee has been placed into one of the following categories.

- Category 1** Waterbody or waterbody segment meets all designated uses.
- Category 2** Waterbody or waterbody segment meets some designated uses, but data are not available in order to determine whether all uses are being met.
- Category 3** Insufficient data exists to determine whether any uses are being met.
- Category 4a** One or more uses are not being met. However, TMDLs have been completed and approved for the listed pollutants.
- Category 4b** 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.
- Category 4c** One or more uses are not being met. However, the impairment is not being caused by a pollutant.
- Category 5** One or more uses are not being met. A TMDL is needed for the listed pollutants.

#### Notes concerning the above categories:

1. As with the 2012 and 2014 lists, Tennessee has used Category 4c for segments impacted by flow alteration as that is not a pollutant and a TMDL is not needed. If commenters suggest additional causes as appropriate for Category 4c, these will be considered on a case-by-case basis. Our conclusions will be documented in a *Summary of Public Comments and Departmental Responses* following the end of the comment period.

2. Some streams, are Category 4b. These are cases where for on specific streams, traditional approaches such as permitting or enforcement are in place and are expected to lead to water quality standards being met in the short-term; therefore a TMDL is not needed. If additional streams are suggested for Category 4b, we will consider them for the final version.

3. Category 4a was only used for those streams where all TMDLs have been completed. If additional TMDLs were needed in a segment, it was identified as Category 5, even if some TMDLs were approved.

### ***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 2015 and 2016. Water quality data collected at hundreds of streams in Tennessee were compared to existing water quality criteria (Chapter 0400-40-03). Data were compared to numeric water quality criteria or narrative criteria which may contain "free from" statements. Often in the case of narrative criteria, data are compared to appropriate ecoregion reference streams.

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 Resources*. This document is posted on the department's webpage at <http://www.tn.gov/environment/article/wr-wq-water-quality-reports-publications>

Information concerning monitoring design and sampling procedures from other agencies who supplied additional data used in Tennessee's assessment process can be requested from the specific agencies.

### ***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 determined to be 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 approved for delisting due to water quality improvement. A rationale for each delisting is provided.

Appendix B contains any streams being approved for delisting on any basis other than water quality improvement.

***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 and WQX databases were utilized as primary sources of water quality data.

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

A public notice was sent out requesting any additional data the public or other entities might have. In addition to the data, we requested that submissions include detailed location

information, plus QA/QC measures taken to ensure data quality. Data submittals specific to a stream segment will be considered a comment for official departmental response.

**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 locations, techniques or analysis methodologies could not be easily resolved, submitted data were used to screen streams for future studies.

As stated previously, if during the review process for the draft 303(d), additional water quality data were brought to our attention, these data were factored into our final decision concerning the status of specific streams.

See the *Summary of Public Comments and Departmental Responses* for additional information. This document addresses the comments received regarding the draft version of the list.

## What Is the Watershed Cycle?

In 1996, the then Division of Water Pollution Control restructured monitoring and permitting activities on a rotating watershed basis (Figure 1). Each watershed will be examined on a five-year cycle as illustrated by the map on the next page (Figure 2).

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 TMDLs developed to assist in the identification of control strategies.

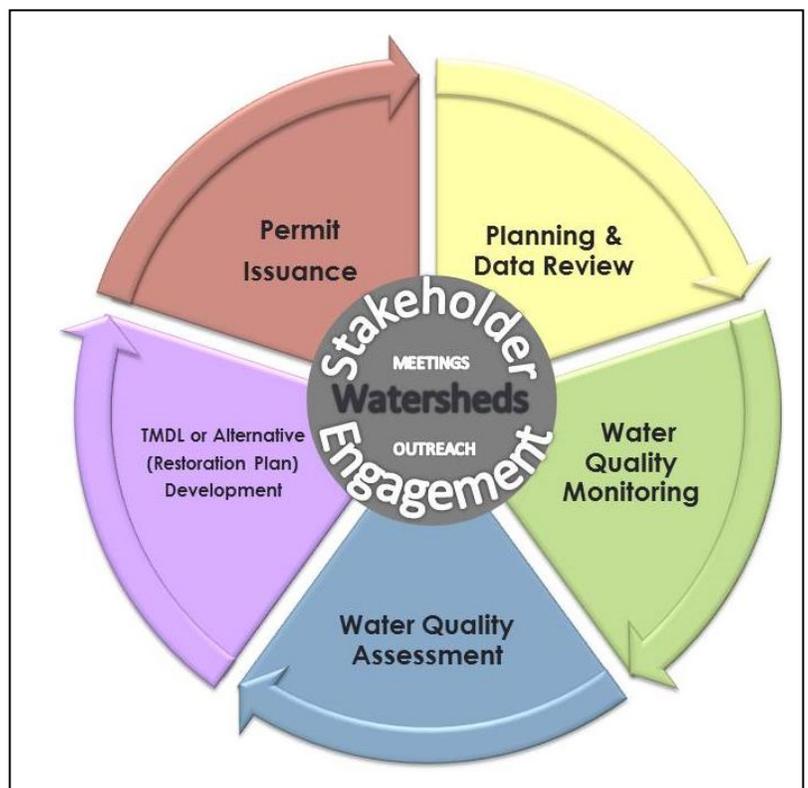


Figure 1: Watershed Cycle

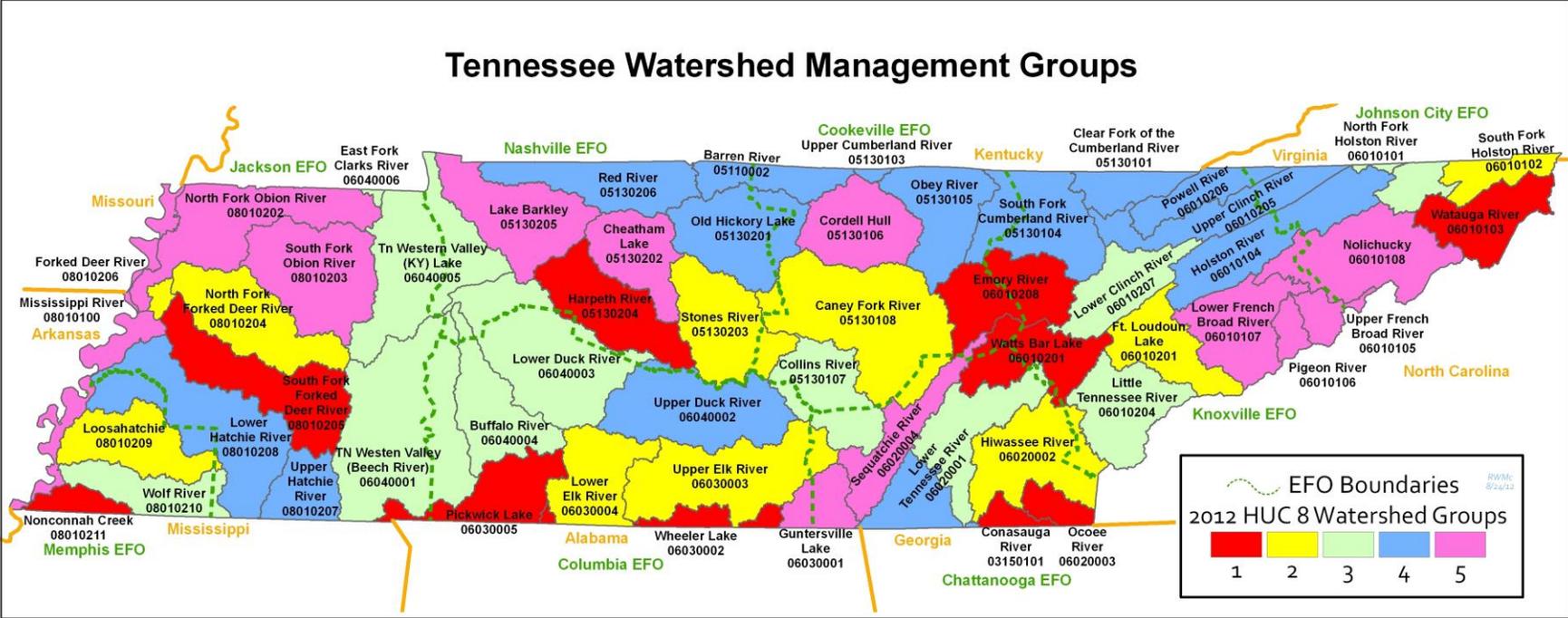


Figure 2: Watershed Monitoring Groups

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

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

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

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

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

The Division accepted public comments until September 30, 2016. These comments were sent by letter, fax, or email. Additionally, the division accepted verbal comments at the public meeting the afternoon of August 31, 2016. The meeting was held in Nashville, but citizens were able to videoconference at field office locations. The list of these meetings appears on the next page.

We specifically requested comments or data the public felt relevant to a listing, or to a stream not currently listed. We requested that data submissions include some basic information such as detailed station locations and the QA/QC procedures used during the sample collection and analysis process.

Additionally, departmental staff were available to meet with groups or individuals to discuss specific listings.

Following the conclusion of the formal comment period, responses were prepared for each comment. These responses have been published in a companion document also posted on the department's website. The responses indicated 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 making a change.

## 2016 303(d) List Public Meeting Schedule

REGION	DATE	LOCATION	LOCAL TIME
<b>Middle Tennessee</b>	August 31, 2016	Nashville Room 3 <sup>rd</sup> Floor, Tennessee Tower 312 Rosa L. Parks Ave, Nashville	1:00 pm
<b>Southern Middle Tennessee</b>	August 31, 2016	Columbia EFO * Main Conference Room 1421 Hampshire Pike, Columbia	1:00 pm
<b>Eastern Middle Tennessee</b>	August 31, 2016	Cookeville EFO Main Conference Room 1221 South Willow Avenue, Cookeville	1:00 pm
<b>West Tennessee</b>	August 31, 2016	Jackson EFO * Main Conference Room 1625 Hollywood Drive, Jackson	1:00 pm
<b>Southwestern Tennessee</b>	August 31, 2016	Memphis EFO * Conference Room 8383 Wolf Lake Drive, Bartlett	1:00 pm
<b>East Tennessee</b>	August 31, 2016	Knoxville EFO * Main Conference Room 3711 Middlebrook Pike, Knoxville	2:00 pm
<b>Southeastern Tennessee</b>	August 31, 2016	Chattanooga EFO * Suite 206, Main Conference Room 1301 Riverfront Pkwy. Chattanooga	2:00 pm
<b>Northeastern Tennessee</b>	August 31, 2016	Johnson City EFO * Main Conference Room 2305 Silverdale Road, Johnson City	2:00 pm

\* At field office locations, the public videoconferenced with the Nashville meeting.

# Key to 303(d) List

**WATERBODY ID** 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 GIS coverage for listed streams.

**The 303(d) List is sorted in hydrologic order within each major watershed basin.** The NRCS watershed number for the segment is available through the ADB.

**WATERBODY** The name of the main body of water within the waterbody is provided as **NAME**.

**COUNTY** The county or counties where the waterbody is located.

**MILES/ACRES IMPAIRED** The number of impacted miles or acres (according to Reachfile 3) is shown in this column. Lake acres are abbreviated as "ac".

**CAUSE** The pollutant or pollutants exceeding water quality standards is identified.

**SOURCE** 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.)

**ADVISORY** Segments which have fishing or water contact advisories are identified in the comments. See TDEC's website at [http://www.tn.gov/assets/entities/environment/attachments/water\\_fish-advisories.pdf](http://www.tn.gov/assets/entities/environment/attachments/water_fish-advisories.pdf) for additional information on advisories.

## 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.

- HIGH (H)** Tools are available to produce the TMDL and the stream is in one of the watersheds being addressed in the next two years. TDEC intends to write the TMDL report in the next two years.
- MEDIUM (M)** Tools are available to produce the TMDL, but the stream is not in a watershed being addressed in the next two years. TDEC intends to write the TMDL report in the next five years.
- LOW (L)** Tools are not currently available to produce the TMDL or the stream is not in the watershed being addressed in the next five years. TMDLs will be produced in the next 8-13 years. Alternatively, a low priority may indicate that the segment is a TMDL Vision priority and an alternative restoration strategy will be produced in advance of a TMDL. More information about the TMDL Vision is available at <http://www.tn.gov/environment/article/wr-ws-tmdl-new-vision>
- NOT APPLICABLE (NA)**
- 4a - A TMDL has already been completed, submitted to EPA, and approved by EPA.
  - 4b - A TMDL is not needed because a different type of control strategy is in place which will bring about compliance with the criterion in a reasonable amount of time.
  - 4c – A TMDL is not needed because the impact to the stream is not being caused by a pollutant.

## YEAR 2016 303(d) LIST FOR THE STATE OF TENNESSEE

### Barren River Watershed 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_0550	UNNAMED TRIB TO WEST FORK DRAKES CREEK	Sumner	2.7	Flow Alterations NA	Upstream Impoundment	Category 4c. (Impairment not caused by a pollutant.) Randomly selected for Impounded Streams Survey.
TN05110002 008_0600	DONAHO BRANCH	Sumner	3.0	Nitrate+Nitrite L Total Phosphorus L Physical Substrate Habitat Alterations L Escherichia coli NA	Collection System Failure Urbanized High Density Area Channelization	Category 5. (One or more uses impaired.) TMDLs needed. EPA approved a pathogen TMDL that addresses some of the known pollutants on 10/23/07.
TN05110002 009_0200	UNNAMED TRIB TO MIDDLE FORK DRAKES CREEK	Sumner	3.7	Low Dissolved Oxygen L Hydrogen Sulfide L	Petroleum/Natural Gas Activities	Category 5. (One or more uses impaired.) TMDLs needed.
TN05110002 010_0300	DAVIS BRANCH	Sumner Macon	1.6	Flow Alterations NA	Upstream Impoundment	Category 4c. (Impairment not caused by a pollutant.) Impounded Streams Survey.
TN05110002 010_0550	LITTLE TRAMMEL CREEK	Sumner	2.82	Nitrate+Nitrite L Total Phosphorus L	Municipal Point Source	Category 5. (One or more uses impaired.) TMDLs needed.
TN05110002 027_0431	TOWN CREEK	Macon	3.71	Unionized Ammonia L Nitrate+Nitrite L Total Phosphorus L Low dissolved oxygen L Escherichia coli NA	Minor Municipal Point Source Urbanized High Density Area	Category 5. (One or more uses impaired.) TMDLs needed. EPA approved a pathogen TMDL that addresses some of the known pollutants on 10/23/07.
TN05110002 027_0435	WHITE OAK CREEK	Macon	3.41	Alteration in stream-side or littoral vegetation L Nitrate+Nitrite L Total Phosphorus L Escherichia coli H	Municipal Point Source Urbanized High Density Area	Category 5. (One or more uses impaired.) TMDLs needed.
TN05110002 031_0250	LITTLE TRACE CREEK	Clay	7.86	Flow Alterations NA	Upstream Impoundment	Category 4c. (Impairment not caused by a pollutant.) Impounded Streams Survey.
TN05110002 CTYLKPO_1 000	CITY LAKE PORTLAND	Sumner	34 ac	Loss of biological integrity due to siltation L Low dissolved oxygen L Nutrients L Taste & odor L	Urbanized High Density Area Animal Feeding Area	Category 5. (One or more uses impaired.) TMDLs needed.

**2016 303(d) LIST (Barren River Watershed continued)**

Waterbody ID	Impacted Waterbody	County	Miles/Acres Impaired	CAUSE/TMDL Priority	Pollutant Source	COMMENTS	
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	Category 5. (One or more uses impaired.) TMDLs needed.

**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/TMDL Priority	Pollutant Source	COMMENTS	
TN05130101 015_0700	STRAIGHT CREEK	Claiborne	1.40	Loss of biological integrity due to siltation	NA	Coal Mining Discharges Highway/Road/Bridge Runoff	Category 4a. EPA approved a siltation TMDL that addresses the known pollutants on 3/12/09.
TN05130101 015_0710	ROCK CREEK	Claiborne	1.08	Loss of biological integrity due to siltation	NA	Coal Mining Discharges Highway/Road/Bridge Runoff	Category 4a. EPA approved a siltation TMDL that addresses the known pollutants on 3/12/09. (This segment was identified as _0610 in TMDL).
TN05130101 015_2000	CLEAR FORK	Claiborne Campbell	9.65	Loss of biological integrity due to siltation Escherichia coli	NA NA	Coal Mining Discharges Highway/Road/Bridge Runoff Sources in Other State Septic Tanks	Category 4a. EPA approved siltation and pathogen TMDLs that address the known pollutants on 3/12/09 and 8/23/07. Haul roads are a silt source in this watershed.
TN05130101 016_0100	WHITE OAK CREEK	Campbell	6.7	Loss of biological integrity due to siltation Escherichia coli	NA NA	Coal Mining Discharges Abandoned Mining Septic Tanks	Category 4a. EPA approved siltation and pathogen TMDLs that address known pollutants on 3/12/09 and 8/23/07.
TN05130101 016_0200	DAVIS CREEK	Campbell	20.53	Escherichia coli	NA	Septic Tanks	Category 4a. EPA approved a pathogen TMDL which addresses the known pollutant on 8/23/07.
TN05130101 016_2000	HICKORY CREEK	Campbell	9.5	Escherichia coli	NA	Septic Tanks Pasture Grazing	Category 4a. EPA approved a pathogen TMDL which addresses the known pollutant on 8/23/07.
TN05130101 046_0200	BENNETT FORK	Claiborne	11.0	Loss of biological integrity due to siltation	NA	Coal Mining Discharges Abandoned Mining Highway/Road/ Bridge Runoff	Category 4a. EPA approved a siltation TMDL that addresses the known pollutant on 3/12/09. Haul roads are a silt source in this area.

**2016 303(d) LIST (Upper Cumberland Basin continued)**

<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_0100	ELK FORK CREEK	Campbell	15.14	Escherichia coli NA	Pasture Grazing Septic Tanks	Category 4a. EPA approved a pathogen TMDL which addresses the known pollutant 8/23/07.
TN05130101 091_0123	DAN BRANCH	Campbell	1.56	Loss of biological integrity due to siltation L	Coal Mining Discharges	Category 5 (One or more uses impaired.) TMDL needed.
TN05130101 091_0200	LITTLE ELK CREEK	Campbell	9.9	Escherichia coli NA	Pasture Grazing Septic Tanks	Category 4a. EPA approved a pathogen TMDL which addresses the known pollutant on 8/23/07. (This segment was identified as _0300 in TMDL).
TN05130101 091_1000	ELK CREEK	Campbell	6.44	Loss of biological integrity due to siltation NA Alteration of stream-side or littoral vegetation NA Escherichia coli NA	Abandoned Mining Septic Tanks	Category 4a. EPA approved siltation/habitat alteration and pathogen TMDLs that address the known pollutants on 3/12/09 and 8/23/07. (Previously called Elk Fork Creek.) Stream provides habitat for a federally listed fish, blackside dace ( <i>Phoxinus cumberlandensis</i> ).
TN05130104 010_1000	ROCK CREEK	Pickett	17.4	pH L	Undetermined Source	Category 5. (One or more uses impaired.) TMDL needed. Former reference stream in Pickett State Park. pH source not determined.
TN05130104 037_1610	JOE BRANCH	Anderson	1.13	Loss of biological integrity due to siltation NA	Abandoned Mining	Category 4a. EPA approved a siltation TMDL that addresses the known pollutant on 8/26/09.
TN05130104 037_1611	UNNAMED TRIB TO JOE BRANCH	Anderson	0.44	pH L	Abandoned Mining	Category 5. (One or more uses impaired.) TMDL needed.
TN05130104 037_1800	SMOKY CREEK	Scott	34.07	Loss of biological integrity due to siltation NA	Abandoned Mining Silviculture	Category 4a. EPA approved a siltation TMDL that addresses the known pollutants on 8/26/09. (This segment was identified as _1700 in TMDL).

**2016 303(d) LIST (Upper Cumberland Basin continued)**

<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_0200	NORTH FORK PINE CREEK	Scott	1.5	Escherichia coli      NA	Septic Tanks	<a href="#">Water contact advisory.</a> Category 4a. EPA approved a pathogen TMDL that addresses the known pollutant on 2/27/06.
TN05130104 048_0300	LITTON FORK PINE CREEK	Scott	2.5	Escherichia coli      NA	Collection System Failure Septic Tanks	<a href="#">Water contact advisory.</a> Category 4a. EPA approved a pathogen TMDL that addresses the known pollutant on 2/27/06.
TN05130104 048_0400	EAST FORK PINE CREEK	Scott	2.8	Escherichia coli      NA	Collection System Failure Septic Tanks	<a href="#">Water contact advisory.</a> Category 4a. EPA approved a pathogen TMDL that addresses the known pollutant on 2/27/06.
TN05130104 048_0410	UNNAMED TRIB TO EAST FORK PINE CREEK	Scott	2.4	Escherichia coli      NA	Collection System Failure Septic Tanks	<a href="#">Water contact advisory.</a> Category 4a. EPA approved a pathogen TMDL that addresses the known pollutant on 2/27/06.
TN05130104 048_0500	SOUTH FORK PINE CREEK	Scott	1.7	Escherichia coli      NA	Collection System Failure Septic Tanks	<a href="#">Water contact advisory.</a> Category 4a. EPA approved a pathogen TMDL that addresses the known pollutant on 2/27/06.
TN05130104 048_1000	PINE CREEK	Scott	3.2	Escherichia coli      NA	Municipal Point Source Collection System Failure	<a href="#">Water contact advisory.</a> Category 4a. EPA approved a pathogen TMDL that addresses the known pollutant on 2/27/06.
TN05130104 048_2000	PINE CREEK	Scott	4.1	Nitrate+nitrite      L Loss of biological integrity      NA due to siltation Low dissolved oxygen      L Alteration in stream-side or littoral vegetation      NA Escherichia coli      NA	Municipal Point Source Collection System Failure Septic Tanks Channelization	<a href="#">Water contact advisory.</a> Category 5. (One or more uses impaired.) TMDLs needed. EPA approved pathogen and siltation/habitat alteration TMDLs that address some of the known pollutants on 2/27/06 and 8/26/09.

**2016 303(d) LIST (Upper Cumberland Basin continued)**

Waterbody ID	Impacted Waterbody	County	Miles/Acres Impaired	CAUSE / TMDL Priority	Pollutant Source	COMMENTS
TN05130104 048_3000	PINE CREEK	Scott	3.0	Loss of biological integrity due to siltation NA Nitrate+nitrite L Low dissolved oxygen L Physical Substrate Habitat Alterations NA Escherichia coli NA	Collection System Failure Septic Tanks Channelization	<a href="#">Water contact advisory</a> . Category 5. (One or more uses impaired.) TMDLs needed. EPA approved pathogen and siltation/habitat alteration TMDLs that address some of the known pollutants on 2/27/06 and 8/26/09.
TN05130104 050_0100	EAST BRANCH BEAR CREEK	Scott	5.7	Iron NA pH NA Loss of biological integrity due to siltation NA	Abandoned Mining	Category 4a. EPA approved iron, pH and siltation TMDLs that address the known pollutants on 8/1/07 and 8/26/09.
TN05130104 050_1000	BEAR CREEK	Scott	1.35	pH NA Loss of biological integrity due to siltation NA	Abandoned Mining	Category 4a. EPA approved pH and siltation TMDLs that address the known pollutants on 8/1/07 and 8/26/09.

**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 L Flow alteration NA	Upstream Impoundment	Category 5 (One or more uses impaired.). TMDL needed. Flow alteration is 4c (Impairment not caused by a pollutant). Impacted by poor quality Dale Hollow Reservoir releases.
TN05130105 015_0300	CUB CREEK	Overton	7.2	Manganese NA Iron NA pH NA	Abandoned Mining	Category 4a. EPA approved manganese, iron and pH TMDL that address some of the known pollutants on 3/7/08.
TN05130105 019_0300	ROCKCASTLE CREEK	Fentress	8.9	Nitrate+Nitrite L Total Phosphorus L Low DO L Temperature Alterations L Escherichia coli NA	Minor Municipal Point Source Urbanized High Density Area	Category 5. (One or more uses impaired.). TMDLs needed. EPA approved a pathogen TMDL that addresses some of the known pollutants on 3/11/08.

2016 303(d) LIST (Obey River Basin continued)

Waterbody ID	Impacted Waterbody	County	Miles/Acres Impaired	CAUSE / TMDL Priority	Pollutant Source	COMMENTS
TN05130105 019_0710	LITTLE PINEY CREEK	Putnam	3.01	Flow Alteration NA	Upstream Impoundment	Category 4c. (Impairment not caused by a pollutant.) State threatened Obey crayfish found in this stream.
TN05130105 019_0721	LOOPER BRANCH	Overton	1.23	Flow Alteration NA	Upstream Impoundment	Category 4c. (Impairment not caused by a pollutant.) Stream randomly selected for the Impounded Streams Study.
TN05130105 019_0800	CHARLIE BRANCH	Overton	0.69	Flow Alteration NA Iron L pH L Manganese L	Upstream Impoundment	Category 5. (One or more uses impaired.) TMDLs needed. Flow alteration is 4c (Impairment not caused by a pollutant). Stream randomly selected for the Impounded Streams Study.
TN05130105 019_0900	MEADOW CREEK	Putnam Cumberland	19.0	pH L Loss of biological integrity due to siltation L	Abandoned Mining	Category 5. (One or more uses impaired.) TMDLs needed.
TN05130105 019_0950	MEADOW CREEK	Cumberland	1.4	Low DO M	Industrial Permitted Runoff	Category 5. (One or more uses impaired.) TMDL needed.
TN05130105 019_1300	BIG LAUREL CREEK	Fentress Overton	9.2	Iron NA pH NA	Abandoned Mining	Category 4a. EPA approved iron and pH TMDLs that address the known pollutants on 3/7/08. (This segment was identified as _1100 in TMDL).
TN05130105 019_1310	LITTLE LAUREL CREEK	Fentress Overton	3.6	Iron NA Manganese L pH NA	Abandoned Mining	Category 5. . (One or more uses impaired.) TMDL needed. EPA approved iron and pH TMDLs that address the known pollutants on 3/7/08. (This segment was identified as _1110 in TMDL).
TN05130105 019_1400	BIG PINEY CREEK	Fentress Overton	18.6	pH NA Loss of biological integrity due to siltation L	Abandoned Mining	Category 5. . (One or more uses impaired.) TMDL needed. EPA approved a pH TMDL that addresses some of the known pollutants on 3/7/08. (This segment was identified as _1200 in TMDL).

**2016 303(d) LIST (Obey River Basin continued)**

<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>
TN05130105 019_2000	EAST FORK OBEY RIVER	Fentress Overton	22.6	Iron Manganese pH Loss of biological integrity due to siltation	NA NA NA L	Abandoned Mining  Category 5. (One or more uses impaired.) TMDL needed. EPA approved pH, iron, and manganese TMDLs that address some of the known pollutants on 3/7/08.
TN05130105 019_3000	EAST FORK OBEY RIVER	Putnam Overton	11.1	Iron Manganese pH Loss of biological integrity due to siltation	NA NA NA L	Abandoned Mining  Category 5. (One or more uses impaired.) TMDL needed. EPA approved pH, iron, and manganese TMDLs that address some of the known pollutants on 3/7/08.
TN05130105 033_1400	TOWN BRANCH	Pickett	3.1	Nitrate+Nitrite Total Phosphorus Loss of biological integrity due to siltation Escherichia coli	L L L NA	Minor Municipal Point Source Sludge Undetermined Source  Category 5. (One or more uses impaired.) TMDLs needed. EPA approved a pathogen TMDL that addresses some of the known pollutants on 3/11/08. Byrdstown area.

**Cordell Hull Watershed**

This basin contains the following USGS Hydrologic Unit Codes: 05130106 (Cordell Hull 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>
TN05130106 007_0500	FLAT CREEK	Overton	18.6	Escherichia coli	NA	Pasture Grazing  Category 4a. EPA approved a pathogen TMDL that addresses the known pollutant on 11/13/07.
TN05130106 007_0550	FLAT CREEK	Overton	5.0	Escherichia coli	NA	Pasture Grazing  Category 4a. EPA approved a pathogen TMDL that addresses the known pollutant on 11/13/07. (This segment was included in _0500 TMDL).
TN05130106 007_0700	CARR CREEK	Overton	4.5	Low dissolved oxygen	L	Upstream Impoundment  Category 5. (One or more uses impaired.) TMDL needed.
TN05130106 007_0710	TOWN CREEK	Overton	6.2	Total Phosphorus Nitrate+Nitrite Low dissolved oxygen Escherichia coli	L L L NA	Collection System Failure Urbanized High Density Area  Category 5. (One or more uses impaired.) TMDLs needed. EPA approved a TMDL that addresses some of the known pollutants on 11/13/07.

**2016 303(d) LIST (Cordell Hull continued)**

<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>
TN05130106 008_1000	BLACKBURN FORK	Jackson	15.9	Escherichia coli NA	Undetermined Source	Category 4a. EPA approved a pathogen TMDL that addresses the known pollutant on 11/13/07.
TN05130106 010_2000	SPRING CREEK	Putnam Overton	20.7	Escherichia coli NA	Pasture Grazing	Category 4a. EPA approved a pathogen TMDL that addresses the known pollutant on 11/13/07.
TN05130106 018_2000	MILL CREEK	Overton	2.95	Flow Alteration NA	Upstream Impoundment	Category 4c. (Impairment not caused by a pollutant.)

**Collins River Watershed**

This basin contains the following USGS Hydrologic Unit Codes: 05130107 (Collins 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>
TN05130107 002_1000	MOUNTAIN CREEK	Warren Cannon	6.92	Loss of biological integrity due to siltation L Nitrate+Nitrite L	Specialty Crop Production	Category 5. (One or more uses impaired.) TMDLs needed
TN05130107 002_2000	MOUNTAIN CREEK	Warren Cannon	17.37	Alteration in stream-side or littoral vegetative cover L Nitrate+Nitrite L	Pasture Grazing	Category 5. (One or more uses impaired.) TMDLs needed.
TN05130107 006_0700	OAKLAND BRANCH	Warren	6.3	Alteration in stream-side or littoral vegetative cover NA Loss of biological integrity due to siltation NA Flow Alteration NA	Land Development Discharges from MS4 area Upstream Impoundment	Category 4a. EPA approved siltation/habitat alteration TMDLs that address the known pollutants on 2/13/03. Flow alteration is 4c (Impairment not caused by a pollutant.)
TN05130107 012_0100	LOCKE BRANCH	Warren	4.56	Alteration in stream-side or littoral vegetative cover L Loss of biological integrity due to siltation L	Pasture Grazing	Category 5. (One or more uses impaired.) TMDLs needed.
TN05130107 012_0200	FULTZ CREEK	Warren	14.4	Alteration in stream-side or littoral vegetative cover L Loss of biological integrity due to siltation L	Silviculture	Category 5. (One or more uses impaired.) TMDLs needed.
TN05130107 012_0300	LITTLE HICKORY CREEK	Coffee Warren	10.2	Alteration in stream-side or littoral vegetative cover L	Pasture Grazing Non-irrigated Crop Production	Category 5. (One or more uses impaired.) TMDL needed.

**2016 303(d) LIST (Collins River Basin continued)**

<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 012_0400	WEST FORK HICKORY CREEK	Coffee	54.54	Escherichia coli L Nitrate+Nitrite L Alteration in stream-side or littoral vegetative cover L	Pasture Grazing Specialty Crop Production	Category 5. (One or more uses impaired.) TMDLs needed.
TN05130107 012_0410	MEADOW BRANCH	Coffee	7.89	Escherichia coli L	Pasture Grazing Animal Feeding Operations	Category 5. (One or more uses impaired.) TMDL needed.
TN05130107 016_0150	SAVAGE CREEK	Grundy Sequatchie	22.1	Flow Alteration NA	Upstream Impoundment	Category 4c. (Impairment not caused by pollutant.)
TN05130107 016_0800	TAYLOR CREEK	Grundy Warren	12.5	Alteration in stream-side or littoral vegetative cover L	Specialty Crop Production	Category 5. (One or more uses impaired.) TMDL needed.
TN05130107 016_2000	COLLINS RIVER	Grundy	5.8	Iron L Manganese L pH L	Abandoned Mining	Category 5. (One or more uses impaired.) TMDLs needed.
TN05130107 023_0230	HE CREEK	Sequatchie	1.45	pH L Manganese L Iron L	Coal Mining Permitted Discharge Abandoned Mining	Category 5. (One or more uses impaired.) TMDLs needed.
TN05130107 023_0231	LITTLE HE CREEK	Sequatchie	1.98	pH L Manganese L Iron L	Coal Mining Permitted Discharge Abandoned Mining	Category 5. (One or more uses impaired.) TMDLs needed.
TN05130107 023_0232	BIG HE CREEK	Sequatchie	2.95	pH L Manganese L Iron L	Coal Mining Permitted Discharge Abandoned Mining	Category 5. (One or more uses impaired.) TMDLs needed.
TN05130107 023_0250	DRY CREEK	Warren Sequatchie	6.34	Aluminum L Sulfates L pH L Manganese L Iron L	Abandoned Mining	Category 5. (One or more uses impaired.) TMDLs needed.

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

Waterbody ID	Impacted Waterbody	County	Miles/Acres Impaired	CAUSE / TMDL Priority	Pollutant Source	COMMENTS
TN05130108 001_0200	FERGUSON BRANCH	Smith	5.8	Alteration in stream-side or littoral vegetative cover NA	Pasture Grazing	Category 4a. EPA approved a habitat alteration TMDL that addresses the known pollutants on 8/3/05.
TN05130108 002_0200	GOOSE CREEK	DeKalb Wilson	3.14	Alteration in stream-side or littoral vegetative cover L Loss of biological integrity due to siltation L	Dredge (Gravel) Mining Pasture Grazing	Category 5. (One or more uses impaired.)
TN05130108 002_2000	HICKMAN CREEK	Smith DeKalb Wilson	10.16	Alteration in stream-side or littoral vegetative cover NA Low dissolved oxygen L Nitrate+Nitrite L Phosphorus L Escherichia coli NA	Municipal Point Source Pasture Grazing	Category 5. (One or more uses impaired.) TMDLs needed. EPA approved habitat alteration and pathogen TMDLs that address some of the known pollutants on 8/3/05 and 10/17/05.
TN05130108 004_0110	DRIVERS BRANCH	DeKalb	2.79	Loss of biological integrity due to siltation L	Hwy/Road/Bridge Construction	Category 5. (One or more uses impaired.) TMDLs needed.
TN05130108 012_1000	CANEY FORK RIVER	Smith DeKalb	6.4	Low dissolved oxygen L Flow Alteration NA Temperature Alterations L	Upstream impoundment (Center Hill Reservoir)	Category 5. (One or more uses impaired.) TMDLs needed. Flow alteration is 4c (Impairment not caused by a pollutant). Provides habitat for listed mussels: Oyster mussel ( <u><i>E. capsaeformis</i></u> ), Cumberland combshell ( <u><i>E. brevidens</i></u> ), Pink mucket pearly mussel ( <u><i>Lampsilis abrupta</i></u> ), Dromedary pearly mussel ( <u><i>Dromus dromus</i></u> ), Fanshell ( <u><i>Cyprogenia stegarias</i></u> ), Clubshell ( <u><i>Pleurobema clava</i></u> ), Cumberland bean ( <u><i>Villosa trabalis</i></u> ).
TN05130108 024_1000	ROCKY RIVER	Van Buren Warren	8.7	Loss of biological integrity due to siltation NA	Dredge Mining	Category 4a. EPA approved a siltation TMDL that addresses the known pollutant on 8/3/05.

**2016 303(d) LIST (Caney Fork River Basin continued)**

<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 024 - _4000	ROCKY RIVER	Van Buren Warren	34.09	pH NA	Abandoned Mining	Category 4a. EPA approved pH and manganese TMDLs that address the known pollutants on 6/18/09. Rocky River provides habitat for the federally listed fish, slender chub ( <i>Erimystax cahni</i> ).
TN05130108 025 - _0200	CLIFF CREEK	White	4.7	Escherichia coli H	Pasture Grazing	Category 5. (One or more uses impaired.) TMDL needed.
TN05130108 025 - _0400	HICKORY VALLEY BRANCH	White	8.2	Low dissolved oxygen Alteration in stream-side or littoral vegetative cover L NA	Pasture Grazing	Category 5. (One or more uses impaired.) TMDL needed. EPA approved a habitat alteration TMDL that addresses some of the known pollutants on 8/3/05.
TN05130108 025 - _1000	CANEY FORK RIVER	DeKalb White	1.4	Habitat loss due to stream flow alteration NA	Upstream Impoundment	Category 4c. (Impairment not caused by a pollutant.) Section of Caney Fork de-watered by Great Falls Reservoir.
TN05130108 027_0600	FALL CREEK	Van Buren	0.5	Flow alteration Iron Physical substrate habitat alterations NA L L	Upstream Impoundment	Category 5. (One or more uses impaired.) TMDLs needed. Flow alteration is 4c (Impairment 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 pH Physical substrate habitat alterations NA NA L	Abandoned Mining	Category 5. (One or more uses impaired.) TMDL needed. EPA approved pH and iron TMDLs that address some of the known pollutants on 6/18/09.
TN05130108 027_0850	DRY FORK	Van Buren	16.7	Iron pH Physical substrate habitat alterations NA NA L	Abandoned Mining	Category 5. (One or more uses impaired.) TMDL needed. EPA approved pH and iron TMDLs that address some of the known pollutants on 6/18/09.

**2016 303(d) LIST (Caney Fork River Basin continued)**

<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_0300	TAFT CREEK	Bledsoe	2.0	Aluminum L Nitrate+Nitrite L Total Phosphorus L Escherichia coli H	Municipal Point Source Pasture Grazing	Category 5. (One or more uses impaired.) TMDLs needed. Taft Youth Center is the point source.
TN05130108 033_0410	MILL CREEK	Bledsoe	1.95	Low dissolved oxygen L Alteration in stream-side or littoral vegetative cover L	Pasture Grazing	Category 5. (One or more uses impaired.) TMDLs needed.
TN05130108 033_0420	BRADDEN CREEK	Bledsoe	10.73	Low dissolved oxygen L Alteration in stream-side or littoral vegetative cover NA Escherichia coli H	Pasture Grazing	Category 5. (One or more uses impaired.) TMDLs needed. EPA has approved a habitat alteration TMDL that addresses some of the known pollutants on 8/3/05. (This segment was identified as _0310 in TMDL).
TN05130108 033_2000	BEE CREEK	Bledsoe Cumberland	0.57	Aluminum L Nitrate+Nitrite L Total Phosphorus L Escherichia coli H	Municipal Point Source	Category 5. (One or more uses impaired.) TMDLs needed. Taft Youth Center is the source.
TN05130108 033_3000	BEE CREEK	Bledsoe Cumberland	16.1	Loss of biological integrity due to siltation L Alteration in stream-side or littoral vegetative cover L	Pasture Grazing	Category 5. (One or more uses impaired.) TMDLs needed.
TN05130108 036_0100	CLIFTY CREEK	White	21.4	pH NA Iron NA Manganese L	Abandoned Mining	Category 5. (One or more uses impaired.) TMDL needed. EPA approved pH and iron TMDLs that address some of the known pollutants on 6/18/09.
TN05130108 036_0600	DUNCAN CREEK	Cumberland	3.58	Low Dissolved Oxygen L Iron L Manganese L	Upstream Impoundment	Category 5. (One or more uses impaired.)TMDLs needed.
TN05130108 036_0700	UNNAMED TRIB TO CANEY FORK RIVER	Cumberland	3.5	Alteration in stream-side or littoral vegetative cover NA	Unrestricted Cattle Access Pasture Grazing	Category 4a. EPA approved a siltation/habitat alteration TMDL that addresses the known pollutant on 8/3/05. (This segment was identified as _3000 in TMDL).

**2016 303(d) LIST (Caney Fork River Basin continued)**

<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 036_0920	FLYNN CREEK	Cumberland	2.8	Loss of biological integrity due to siltation NA	Landfill	Category 4a. EPA approved a siltation TMDL that addresses the known pollutant on 8/3/05. (This segment was identified as _0810 in TMDL).
TN05130108 036_1100	PUNCHEONCAMP CREEK	Cumberland	12.8	pH NA	Abandoned Mining	Category 4a. EPA approved a pH TMDL that addresses the known pollutant on 6/18/09. (This segment was identified as _0900 in TMDL).
TN05130108 043_0100	CHERRY CREEK	White	11.7	Loss of biological integrity due to siltation Escherichia coli L H	Pasture Grazing	Category 5. (One or more uses impaired.) TMDLs needed.
TN05130108 043_0500	BLUE SPRING CREEK	White	10.1	Loss of biological integrity due to siltation NA	Pasture Grazing	Category 4a. EPA approved a siltation TMDL that addresses the known pollutant on 8/3/05. (This segment was identified as _0300 in TMDL).
TN05130108 043_0600	WILDCAT CREEK	White	8.1	Loss of biological integrity due to siltation L	Pasture Grazing	Category 5. (One or more uses impaired.) TMDL Needed.
TN05130108 043_4000	CALFKILLER RIVER	Putnam	4.45	Escherichia coli H	Collection System Failure	Category 5. (One or more uses impaired.) TMDL needed.
TN05130108 045_0100	CANE CREEK	Putnam	19.1	Alteration in stream-side or littoral vegetative cover Loss of biological integrity due to siltation L L	Discharges from MS4 Area Pasture Grazing	Category 5. (One or more uses impaired.) TMDLs needed.
TN05130108 045_0150	CANE CREEK	Putnam	12.0	Alteration in stream-side or littoral vegetative cover Loss of biological integrity due to siltation NA NA	Discharges from MS4 Area Pasture Grazing Unrestricted Cattle Access	Category 4a. EPA approved siltation and habitat alteration TMDLs that address the known pollutants on 8/3/05.
TN05130108 045_0300	HUDGENS CREEK	Putnam	6.7	Alteration in stream-side or littoral vegetative cover Loss of biological integrity due to siltation NA Escherichia coli NA NA	Discharges from MS4 Area Pasture Grazing	Category 4a. EPA approved siltation, and habitat alteration and pathogen TMDLs that addresses the known pollutants on 8/3/05 and 10/17/05.

**2016 303(d) LIST (Caney Fork River Basin continued)**

<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 045_0400	PIGEON ROOST CREEK	Putnam	2.4	Nitrate+Nitrite L Total Phosphorus L Physical substrate habitat alteration NA Escherichia coli NA	Municipal Point Source Discharges from MS4 Area Channelization	Category 5. (One or more uses impaired.) TMDLs needed. EPA approved habitat alteration and pathogen TMDLs that address some of the known pollutants on 8/3/05 and 10/17/05.
TN05130108 045_0450	PIGEON ROOST CREEK	Putnam	3.2	Nitrate+Nitrite L Total Phosphorus L Physical substrate habitat alteration NA Escherichia coli NA	Discharges from MS4 Area Channelization	Category 5. (One or more uses impaired.) TMDLs needed. EPA approved habitat alteration and pathogen TMDLs that address some of the known pollutants on 8/3/05 and 10/17/05.
TN05130108 045_0500	POST OAK CREEK	White	1.36	Loss of biological integrity due to siltation NA Alteration in stream-side or littoral vegetative cover NA	Pasture Grazing	Category 4a. EPA approved siltation and habitat alteration TMDLs that address the known pollutants on 8/3/05.
TN05130108 045_1000	FALLING WATER RIVER	Putnam White	8.8	Nitrate+Nitrite L Total Phosphorus L Loss of biological integrity due to siltation NA Escherichia coli H	Pasture Grazing Municipal Point Source Discharges from MS4 Area	Category 5. (One or more uses impaired.) TMDLs needed. EPA has approved siltation and habitat alteration TMDLs that address some of the known pollutants on 8/3/05.
TN05130108 053_1000	TAYLOR CREEK	White	31.8	Escherichia coli H	Pasture Grazing	Category 5. (One or more uses impaired.) TMDL needed.
TN05130108 097_2000	MINE LICK CREEK	Putnam	4.23	Nitrate+Nitrite L Total Phosphorus L	Municipal Point Source	Water contact advisory lifted in 2015 due to Baxter STP overflows. Category 5. (One or more uses impaired.). TMDLs needed. EPA approved a pathogen TMDL that addresses some of the known pollutants on 10/17/05.
TN05130108 684_1000	FALL CREEK	DeKalb	9.8	Nitrate+Nitrite L Total Phosphorus L Loss of biological integrity due to siltation NA Low dissolved oxygen L Escherichia coli NA Other anthropogenic substrate alterations NA	Municipal Point Source Upstream Impoundment	Category 5. (One or more uses impaired.) TMDLs needed EPA approved siltation, habitat alteration and pathogen TMDLs that address some of the known pollutants on 8/3/05 and 10/17/05.

**2016 303(d) LIST (Caney Fork River Basin continued)**

<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 684_2000	FALL CREEK	DeKalb	6.7	Flow Alteration L Other anthropogenic substrate alterations NA	Specialty Crop Production Upstream Impoundment Urbanized High Density Area	Category 4a. EPA approved a habitat alteration TMDL that addresses the known pollutant on 8/3/05. Flow alteration is. Category 4c. (Impairment not caused by a pollutant)

**Old Hickory Watershed**

This basin contains the following USGS Hydrologic Unit Codes: 05130201 (Old Hickory 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>
TN05130201 001T_0100	RANKIN BRANCH	Sumner	3.3	Alteration of stream-side or littoral vegetation L Total Phosphorus L Escherichia coli L	Pasture Grazing Channelization Discharges from MS4 area	Category 5. (One or more uses impaired.) TMDLs needed.
TN05130201 001T_0200	TOWN CREEK	Sumner	12.1	Loss of biological integrity due to siltation L Other Anthropogenic Habitat Alterations L	Discharges from MS4 area Hydromodification	Category 5. (One or more uses impaired.) TMDLs needed. Gallatin area impacts.
TN05130201 001T_0400	UNNAMED TRIB TO OLD HICKORY RESERVOIR	Sumner	2.57	Nutrients H Loss of biological integrity due to siltation L	Discharges from MS4 area	Category 5. (One or more uses impaired.) TMDLs needed.
TN05130201 001T_0900	WILBURN CREEK	Smith	9.9	Loss of biological integrity due to siltation L Alteration of stream-side or littoral vegetation L	Non-irrigated Crop Production	Category 5. (One or more uses impaired.) TMDLs needed.
TN05130201 001T_1600	BRUNLEY BRANCH	Wilson	2.13	Loss of biological integrity due to siltation L Alteration of stream-side or littoral vegetation L	Pasture Grazing	Category 5. (One or more uses impaired.) TMDLs needed.
TN05130201 001T_1700	DRY FORK BRANCH	Wilson	7.9	Loss of biological integrity due to siltation L Alteration of stream-side or littoral vegetation L	Pasture Grazing	Category 5. (One or more uses impaired.) TMDLs needed.
TN05130201 011_0100	SILVER SPRING BRANCH	Wilson	2.54	Loss of biological integrity due to siltation L Alteration of stream-side or littoral vegetation L	Discharges from MS4 area	Category 5. (One or more uses impaired.) TMDLs needed.
TN05130201 013_0300	BLACK BRANCH	Wilson	3.29	Nutrients L Alteration of stream-side or littoral vegetation L	Pasture Grazing	Category 5. (One or more uses impaired.) TMDLs needed.

**2016 303(d) LIST (Old Hickory Watershed continued)**

<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 013_3000	SPRING CREEK	Wilson	9.0	Escherichia coli NA	Pasture Grazing Unrestricted Cattle Access	Category 4a. EPA approved a pathogen TMDL that addresses the known pollutant on 3/28/08. (This segment was identified as _4000 in TMDL).
TN05130201 015_1000	CEDAR CREEK	Wilson	10.9	Escherichia coli L	Pasture Grazing Unrestricted Cattle Access	Category 5. (One or more uses impaired.) TMDL needed.
TN05130201 021_0300	NEAL BRANCH	Wilson	3.7	Escherichia coli NA	Unrestricted Cattle Access	Category 4a. EPA approved a pathogen TMDL that addresses the known pollutant on 3/28/08.
TN05130201 021_0400	BEECH LOG CREEK	Wilson	8.5	Escherichia coli NA	Pasture Grazing	Category 4a. EPA approved a pathogen TMDL that addresses the known pollutant on 3/28/08.
TN05130201 021_2000	ROUND LICK CREEK	Wilson	5.71	Nitrate+Nitrite L Loss of biological integrity due to siltation L Low dissolved oxygen L Alteration of stream-side or littoral vegetation L Escherichia coli NA	Municipal Point Source Pasture Grazing	Category 5. (One or more uses impaired.) TMDLs needed. EPA approved a pathogen TMDL that addresses some of the known pollutants on 3/28/08. Area impacts include Watertown STP.
TN05130201 021_3000	ROUND LICK CREEK	Wilson	3.16	Loss of biological integrity due to siltation L Alteration of stream-side or littoral vegetation L Escherichia coli L	Pasture Grazing	Category 5. (One or more uses impaired.) TMDLs needed.
TN05130201 028_0100	LITTLE GOOSE CREEK	Trousdale	12.7	Alteration of stream-side or littoral vegetation L Escherichia coli NA	Urbanized High Density Area Pasture Grazing	Category 5. (One or more uses impaired.) TMDL needed. EPA approved a pathogen TMDL that addresses some of the known pollutants on 3/28/08.

**2016 303(d) LIST (Old Hickory Watershed continued)**

Waterbody ID	Impacted Waterbody	County	Miles/Acres Impaired	CAUSE / TMDL Priority	Pollutant Source	COMMENTS
TN05130201 047_0100	UNNAMED TRIB TO DRAKES CREEK	Sumner	3.16	Alteration of stream-side or littoral vegetation L	Discharges from MS4 Area	Category 5. (One or more uses impaired.) TMDL needed. Hendersonville area.
TN05130201 047_0200	UNNAMED TRIB TO DRAKES CREEK	Sumner	6.13	Alteration of stream-side or littoral vegetation L	Discharges from MS4 Area	Category 5. (One or more uses impaired.) TMDL needed Hendersonville area.
TN05130201 055_0200	SINKING CREEK	Wilson	17.34	Nutrients L Other Anthropogenic L Substrate Alterations NA Escherichia coli	Collection System Failure Discharges from MS4 Area	Category 5. (One or more uses impaired.) TMDLs needed. EPA approved a pathogen TMDL that addresses some of the known pollutants on 3/28/08.

**Cheatham Reservoir Watershed**

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

Waterbody ID	Impacted Waterbody	County	Miles/Acres Impaired	CAUSE / TMDL Priority	Pollutant Source	COMMENTS
TN05130202 001_3000	CHEATHAM RESERVOIR	Davidson	994 ac	Escherichia coli L	Combined Sewer Overflows Discharges from MS4 area	<a href="#">Water contact advisory</a> from Bordeaux Bridge to Woodland Street. Category 5. (One or more uses impaired.) TMDL needed.
TN05130202 001T_0200	UNNAMED TRIB TO CHEATHAM RES.	Cheatham	2.04	Loss of biological integrity due to siltation L Other Anthropogenic L Habitat Alterations L	Urbanized High Density Area	Category 5. (One or more uses impaired.) TMDLs needed. Ashland City area trib.
TN05130202 001T_0600	UNNAMED TRIB TO CHEATHAM RES.	Sumner	1.13	Alteration in stream-side or littoral vegetative cover L Chlorine L Sludge L	Municipal Point Source Discharges from MS4 area	Category 5. (One or more uses impaired.) TMDLs needed.
TN05130202 001T_0700	UNNAMED TRIB TO CHEATHAM RES.	Davidson	1.0	Iron L Total Dissolved Solids L	Landfills	Category 5. (One or more uses impaired.) TMDLs needed.
TN05130202 001T_0800	DAVIDSON BRANCH	Davidson	2.83	Escherichia coli L	Discharges from MS4 area Collection System Failure	Category 5. (One or more uses impaired.) TMDL needed.
TN05130202 001T_0900	OVERALL CREEK	Davidson	7.83	Flow Alteration NA Loss of biological integrity L due to siltation	Highway, Road, Bridge Construction	Category 5. (One or more uses impaired.) TMDL needed. Flow alteration is 4c (Impairment not caused by pollutant.

**2016 303(d) LIST (Cheatham Reservoir Watershed continued)**

<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_0100	SIMS BRANCH	Davidson	1.5	Total Phosphorus L Low dissolved oxygen L Other Anthropogenic L Habitat Alterations NA Escherichia coli	Discharges from MS4 area Industrial Permitted Stormwater	Category 5. (One or more uses impaired.) TMDLs needed. EPA approved a pathogen TMDL that addresses some of the known pollutants 4/17/08. Provides habitat for the federally listed Nashville crayfish ( <i>Orconectes shoupi</i> ).
TN05130202 007_0150	SIMS BRANCH	Davidson	1.4	Propylene Glycol L Low dissolved oxygen L Other Anthropogenic L Habitat Alterations	Discharges from MS4 area Industrial Permitted Stormwater	Category 5. (One or more uses impaired.) TMDLs needed.
TN05130202 007_0300	FINLEY BRANCH	Davidson	1.2	Escherichia coli NA Other Anthropogenic L Habitat Alterations M Total Phosphorus	Discharges from MS4 area	Category 5. (One or more uses impaired.) TMDLs needed. EPA approved a pathogen TMDL that addresses some of the known pollutants on 4/17/08.
TN05130202 007_0600	COLLINS CREEK	Davidson	6.7	Alteration of stream-side or littoral vegetation L Loss of biological integrity due to siltation L	Discharges from MS4 area Land Development	Category 5. (One or more uses impaired.) TMDLs needed. Provides habitat for the federally listed Nashville crayfish ( <i>O. shoupi</i> ).
TN05130202 007_0800	INDIAN CREEK	Davidson	5.7	Total Phosphorus L Escherichia coli L	Discharges from MS4 area Pasture Grazing	Category 5. (One or more uses impaired.) TMDLs needed. Provides habitat for the federally listed Nashville crayfish ( <i>O. shoupi</i> ).
TN05130202 007_0900 & 0920	OWL CREEK	Williamson Davidson	15.96	Total Phosphorus L Loss of biological integrity due to siltation L Alteration of stream-side or littoral vegetation L	Discharges from MS4 area	Category 5. (One or more uses impaired.) TMDLs needed.
TN05130202 007_1000	MILL CREEK	Davidson	3.5	Total Phosphorus L Loss of biological integrity due to siltation L Low dissolved oxygen L Escherichia coli L	Collection System Failure Discharges from MS4 area	Category 5. (One or more uses impaired.) TMDLs needed. Federally listed Nashville crayfish ( <i>O. shoupi</i> ).
TN05130202 007_1100	HOLT CREEK	Davidson Williamson	6.2	Nitrate+Nitrite L Total Phosphorus L Escherichia coli L	Discharges from MS4 area	Category 5. (One or more uses impaired.) TMDLs needed.

**2016 303(d) LIST (Cheatham Reservoir Watershed continued)**

<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_1200	WHITTEMORE BRANCH	Davidson	2.9	Other Anthropogenic Habitat Alterations Escherichia coli	L L	Discharges from MS4 area  Category 5. (One or more uses impaired.) TMDLs needed. Federally listed Nashville crayfish ( <i>O. shoupi</i> ).
TN05130202 007_1300	SORGHUM BRANCH	Davidson	3.1	Loss of biological integrity due to siltation Other Anthropogenic Habitat Alterations Escherichia coli	L L L	Discharges from MS4 area  Category 5. (One or more uses impaired.) TMDLs needed. Provides habitat for the federally listed Nashville crayfish ( <i>O. shoupi</i> ).
TN05130202 007_1400	SEVENMILE CREEK	Davidson	2.4	Low Dissolved Oxygen Total Phosphorus Nitrate+Nitrite Other Anthropogenic Habitat Alterations Escherichia coli	L L L L NA	Discharges from MS4 area  Category 5. (One or more uses impaired.) TMDLs needed. EPA approved a pathogen TMDL that addresses some of the known pollutants on 4/17/08. Provides habitat for the federally listed Nashville crayfish ( <i>O. shoupi</i> ).
TN05130202 007_1410	SHASTA BRANCH	Davidson	1.84	Escherichia coli	NA	Discharges from MS4 area Collection System Failures  Category 4a. EPA approved a pathogen TMDL that addresses the known pollutants on 4/17/08. Federally listed Nashville crayfish ( <i>O. shoupi</i> ).
TN05130202 007_1450	SEVENMILE CREEK	Davidson	4.99	Total Phosphorus Nitrate+Nitrite Escherichia coli	L L NA	Discharges from MS4 area  Category 5. (One or more uses impaired.) TMDLs needed. EPA approved a pathogen TMDL addresses some of the known pollutants on 4/17/08. Federally listed Nashville crayfish ( <i>O. shoupi</i> ).
TN05130202 007_1490	CATHY JO BRANCH	Davidson	1.1	Nitrate+Nitrite Total Phosphorus Other Anthropogenic Substrate Alterations Loss of biological integrity due to siltation Escherichia coli	L L L L L	Upstream Impoundments Animal Feeding Areas  Category 5. (One or more uses impaired.) TMDLs needed. Nashville Zoo is in watershed.
TN05130202 007_1500	PAVILLION BRANCH	Davidson	1.3	Escherichia coli	NA	Discharges from MS4 area  Category 4a. EPA approved a pathogen TMDL that addresses the known pollutant on 4/17/08.

**2016 303(d) LIST (Cheatham Reservoir Watershed continued)**

<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_2000	MILL CREEK	Davidson	4.0	Loss of biological integrity due to siltation L Low dissolved oxygen L Total Phosphorus M	Collection System Failure Discharges from MS4 area	Category 5. (One or more uses impaired.) TMDLs needed. Federally listed Nashville crayfish ( <i>O. shoupi</i> ).
TN05130202 007_3000	MILL CREEK	Davidson	5.9	Loss of biological integrity due to siltation L Low dissolved oxygen L Total Phosphorus L	Collection System Failure Discharges from MS4 area	Category 5. (One or more uses impaired.) TMDLs needed. Habitat for the federally listed Nashville crayfish ( <i>O. shoupi</i> ).
TN05130202 007_5000	MILL CREEK	Davidson Williamson	8.1	Total Phosphorus L Loss of biological integrity due to siltation L Low dissolved oxygen L Escherichia coli NA	Unrestricted Cattle Access Pasture Grazing	Category 5. (One or more uses impaired.) TMDLs needed. EPA approved a pathogen TMDL addresses some of the known pollutants on 4/17/08. Provides habitat for the federally listed Nashville crayfish ( <i>O. shoupi</i> ).
TN05130202 010_0200	DRAKES BRANCH	Davidson	2.7	Loss of biological integrity due to siltation L Escherichia coli NA	Discharges from MS4 area Collection System Failure	Category 5. (One or more uses impaired.) TMDL needed. EPA approved a pathogen TMDL that addresses the known pollutant on 4/17/08.
TN05130202 010_0900	EWING CREEK	Davidson	17.6	Other Anthropogenic L Habitat Alterations NA Escherichia coli Loss of biological integrity due to siltation L	Collection System Failure Discharges from MS4 area	Category 5. (One or more uses impaired.) TMDL needed. EPA approved a pathogen TMDL that addresses the known pollutant on 4/17/08. (This segment was identified as _0800 in TMDL).
TN05130202 010_1000	WHITES CREEK	Davidson	2.9	Nutrients L	Discharges from MS4 Area	<a href="#">Water contact advisory</a> . Category 5. (One or more uses impaired.) TMDL needed
TN05130202 010_2000	WHITES CREEK	Davidson	3.1	Alteration of stream-side or littoral vegetation L Loss of biological integrity due to siltation L Escherichia coli L	Discharges from MS4 area Collection System Failure	Category 5. (One or more uses impaired.) TMDLs needed.
TN05130202 014_0900	BLUE SPRING CREEK	Cheatham	9.8	Escherichia coli L	Pasture Grazing	Category 5. (One or more uses impaired.) TMDL needed.

**2016 303(d) LIST (Cheatham Reservoir Watershed continued)**

<b>Waterbody ID</b>	<b>Impacted Waterbody</b>	<b>County</b>	<b>Miles/Acres Impaired</b>	<b>CAUSE / TMDL Priority</b>	<b>Pollutant Source</b>	<b>COMMENTS</b>
TN05130202 023_0100	EAST FORK BROWN'S CREEK	Davidson	2.2	Nitrate+Nitrite L Total Phosphorus L Other Anthropogenic L Habitat Alterations L Escherichia coli NA Oil and Grease L	Minor Industrial Point Source Discharges from MS4 area Urbanized High Density Area	Category 5. . (One or more uses impaired.) TMDLs needed. EPA approved a pathogen TMDL that addresses some of the known pollutants on 4/17/08. Impacted by spills and runoff from Radnor Yards.
TN05130202 023_0200	MIDDLE FORK BROWN'S CREEK	Davidson	3.5	Nitrate+Nitrite L Total Phosphorus L Other Anthropogenic L Habitat Alterations L Escherichia coli L	Discharges from MS4 area Failing Collection System Land Development	Category 5. (One or more uses impaired.) TMDLs needed.
TN05130202 023_0300	WEST FORK BROWN'S CREEK	Davidson	3.6	Nitrate+Nitrite L Total Phosphorus L Escherichia coli NA	Discharges from MS4 area Failing Collection System	Category 5. (One or more uses impaired.) TMDLs needed. EPA approved a pathogen TMDL that addresses some of the known pollutants on 4/17/08. .
TN05130202 023_1000	BROWN'S CREEK	Davidson	0.2	Nitrate+Nitrite L Total Phosphorus L Other Anthropogenic L Habitat Alterations L Escherichia coli NA Oil and Grease L	Minor Industrial Point Source Collection System Failure Discharges from MS4 area Urbanized High Density Area	<a href="#">Water contact advisory.</a> Category 5. (One or more uses impaired.) TMDLs needed. EPA approved a pathogen TMDL that addresses some of the known pollutants on 4/17/08.
TN05130202 023_2000	BROWN'S CREEK	Davidson	4.1	Nitrate+Nitrite L Total Phosphorus L Other Anthropogenic L Habitat Alterations L Escherichia coli NA Oil and Grease L	Minor Industrial Point Source Discharges from MS4 area Urbanized High Density Area	<a href="#">Water contact advisory.</a> Category 5. (One or more uses impaired.) TMDLs needed. EPA approved a pathogen TMDL that addresses some of the known pollutants on 4/17/08.
TN05130202 027_1000	DRY CREEK	Davidson	0.5	Escherichia coli NA	Collection System Failure	<a href="#">Water contact advisory.</a> Category 4a. EPA approved a pathogen TMDL addresses the known pollutant on 4/17/08.
TN05130202 027_2000	DRY CREEK	Davidson	5.9	Other Anthropogenic L Habitat Alterations L	Discharges from MS4 area	Category 5. (One or more uses impaired.) TMDL needed.

**2016 303(d) LIST (Cheatham Reservoir Watershed continued)**

<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 202_1000	PAGES BRANCH	Davidson	5.11	Escherichia coli NA	Discharges from MS4 area	Category 4a. EPA approved a pathogen TMDL that addresses the known pollutant on 4/17/08. (This segment was included in _1000 and _2000 in TMDL).
TN05130202 209_1000	COOPER CREEK	Davidson	3.9	Other Anthropogenic Habitat Alterations L Escherichia coli NA	Discharges from MS4 area	Category 5. (One or more uses impaired.) TMDL needed. EPA approved a pathogen TMDL that addresses some of the known pollutants on 4/17/08.
TN05130202 211_1000	LOVES BRANCH	Davidson	1.71	Other Anthropogenic Habitat Alterations L	Discharges from MS4 area	Category 5. (One or more uses impaired.) TMDL needed.
TN05130202 212_0100	NEELEYS BRANCH	Davidson	1.7	Escherichia coli NA	Discharges from MS4 area	Category 4a. EPA approved a pathogen TMDL that addresses the known pollutants on 4/17/08.
TN05130202 212_1000	GIBSON CREEK	Davidson	3.7	Habitat loss due to stream flow alteration NA Other Anthropogenic Habitat Alterations L	Discharges from MS4 area Hydromodification	Category 5. (One or more uses impaired.) TMDL needed. Flow alteration is 4c Impairment not caused by a pollutant).
TN05130202 220_0100	LUMSLEY FORK	Davidson	4.7	Escherichia coli NA	Discharges from MS4 area	Category 4a. EPA approved a pathogen TMDL that addresses the known pollutant on 4/17/08.
TN05130202 220_0200	WALKERS CREEK	Davidson	6.49	Escherichia coli NA	Undetermined Source	Category 4a. EPA approved a pathogen TMDL that addresses the known pollutant on 4/17/08.
TN05130202 220_0210	UNNAMED TRIB TO WALKERS CREEK	Davidson	1.47	Flow Alteration NA	Upstream Impoundment	Category 4c. (Impairment not caused by a pollutant.) Randomly selected for Impounded Streams Study.
TN05130202 220_0300	SLATERS CREEK	Sumner	0.99	Loss of biological integrity due to siltation L Escherichia coli NA	Sand/Gravel/Rock Quarry Discharges from MS4 area Bank Modification	Category 5. (One or more uses impaired.) TMDL needed. EPA approved a pathogen TMDL that addresses some of the known pollutants on 4/17/08. .

**2016 303(d) LIST (Cheatham Reservoir Watershed continued)**

<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 220_0350	SLATERS CREEK	Sumner	10.24	Escherichia coli NA	Discharges from MS4 area	Category 4a. EPA approved a pathogen TMDL that addresses the known pollutant on 4/17/08.
TN05130202 220_0400	MADISON CREEK	Sumner	14.4	Loss of biological integrity due to siltation L	Land Development	Category 5. (One or more uses impaired.) TMDL needed.
TN05130202 220_0500	CENTER POINT BRANCH	Sumner	3.8	Organic Enrichment L	Discharges from MS4 area	Category 5. (One or more uses impaired.) TMDL needed.
TN05130202 220_1000	MANSKERS CREEK	Davidson Sumner	7.9	Loss of biological integrity due to siltation L Escherichia coli NA	Discharges from MS4 area	<a href="#">Water contact advisory.</a> Category 5. (One or more uses impaired.) TMDL needed. EPA approved a pathogen TMDL that addresses some of the known pollutants on 4/17/08.
TN05130202 220_2000	MANSKERS CREEK	Davidson Sumner	7.6	Loss of biological integrity due to siltation L Low Dissolved Oxygen L Escherichia coli NA	Discharges from MS4 area	Category 5. (One or more uses impaired.) TMDLs needed. EPA approved a pathogen TMDL that addresses some of the known pollutants on 4/17/08.
TN05130202 314_0300	BOSLEY SPRINGS BRANCH	Davidson	1.5	Nitrate+Nitrite L Total Phosphorus L Other Anthropogenic L Habitat Alterations L Escherichia coli NA	Discharges from MS4 area	Category 5. (One or more uses impaired.) TMDLs needed. EPA approved a pathogen TMDL that addresses some of the known pollutants on 4/17/08.
TN05130202 314_0400	SUGARTREE CREEK	Davidson	4.3	Nitrate+Nitrite L Total Phosphorus L Low Dissolved Oxygen L Other Anthropogenic L Habitat Alterations L Escherichia coli NA	Discharges from MS4 area Urbanized High Density Area	Category 5. (One or more uses impaired.) TMDLs needed. EPA approved a pathogen TMDL that addresses some of the known pollutants on 4/17/08.
TN05130202 314_0700	VAUGHNS GAP BRANCH	Davidson	0.6	Other Anthropogenic L Habitat Alterations L Escherichia coli NA Nitrate+Nitrite L Total Phosphorus L	Collection System Failure Urbanized High Density Area Discharges from MS4 area	Category 5. (One or more uses impaired.) TMDL needed. Approved pathogen TMDL addresses some of the known pollutants on 4/17/08.
TN05130202 314_0750	VAUGHNS GAP BRANCH	Davidson	1.9	Other Anthropogenic L Habitat Alterations L Escherichia coli NA	Discharges from MS4 area Urbanized High Density Area	Category 5. Approved pathogen TMDL addresses some of the known pollutants on 4/17/08.

**2016 303(d) LIST (Cheatham Reservoir Watershed continued)**

Waterbody ID	Impacted Waterbody	County	Miles/Acres Impaired	CAUSE / TMDL Priority	Pollutant Source	COMMENTS
TN05130202 314_0800	JOCELYN HOLLOW BRANCH	Davidson	2.0	Nitrate+Nitrite L Total Phosphorus L Escherichia coli NA	Discharges from MS4 area	Category 5. (One or more uses impaired.) TMDLs needed. EPA approved pathogen TMDL that addresses some of the known pollutants on 4/17/08.
TN05130202 314_1000	RICHLAND CREEK	Davidson	1.9	Total Phosphorus L Nitrate+Nitrite L Other Anthropogenic Habitat Alterations L Escherichia coli NA Loss of biological integrity due to siltation L	Collection System Failure Urbanized High Density Area Discharges from MS4 area	<a href="#">Advisory</a> due to Metro collection system overflows. Category 5. (One or more uses impaired.) TMDLs needed. EPA approved a pathogen TMDL that addresses some of the known pollutants on 4/17/08. .
TN05130202 314_2000	RICHLAND CREEK	Davidson	6.7	Total Phosphorus L Nitrate+Nitrite L Other Anthropogenic Habitat Alterations L Escherichia coli NA	Collection System Failure Discharges from MS4 area Urbanized High Density Area	<a href="#">Advisory</a> due to Metro collection system overflows. Category 5. (One or more uses impaired.) TMDLs needed. EPA approved a pathogen TMDL that addresses some of the known pollutants on 4/17/08.
TN05130202 314_3000	RICHLAND CREEK	Davidson	4.0	Total Phosphorus M Nitrate+Nitrite M Other Anthropogenic Habitat Alterations L Escherichia coli NA	Discharges from MS4 area Urbanized High Density Area	Category 5. (One or more uses impaired.) TMDLs needed. EPA approved a pathogen TMDL that addresses some of the known pollutants on 4/17/08.

**Stones River Watershed**

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

Waterbody ID	Impacted Waterbody	County	Miles/Acres Impaired	CAUSE / TMDL Priority	Pollutant Source	COMMENTS
TN05130203 001_0100	MCCRORY CREEK	Davidson	1.4	Nitrate+Nitrite NA Loss of biological integrity due to siltation NA Alteration in stream-side or littoral vegetative cover NA Escherichia coli NA	Discharges from MS4 Area Collection System Failure	Category 4a. EPA approved nutrient, siltation/habitat alteration and pathogen TMDLs that address the known pollutants on 5/16/08, 10/31/02 and 6/19/12. .

**2016 303(d) LIST (Stones River Watershed continued)**

<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	Nitrate+Nitrite Alteration in stream-side or littoral vegetative cover	NA NA	Discharges from MS4 Area  Category 4a. EPA approved a nutrient and siltation/ habitat alteration TMDLs that address the known pollutants on 5/16/08 and 10/31/02.
TN05130203 001_1000	STONES RIVER	Davidson	6.7	Sulfide-hydrogen sulfide Low dissolved oxygen Flow alteration Odor threshold number	L L NA L	Upstream Impoundment  Category 5. (One or more uses impaired.) TMDLs needed. Flow alteration is 4c (Impairment not caused by a pollutant). Sulfides cause odor problem below dam.
TN05130203 003_2000	PERCY PRIEST RESERVIOR	Rutherford	282.53	Threatened by high phosphorus.  Threatened status.		Category 5. (One or more uses impaired.) TMDL needed. Use of domestic water supply in upper Percy Priest Reservoir is threatened by high phosphorus and the resulting elevated chlorophyll a levels.
TN05130203 003T_0200	FINCH BRANCH	Rutherford	5.7	Escherichia coli	NA	Collection System Failure  Category 4a. EPA approved pathogen TMDL that address some of the known pollutants on 6/19/12.
TN05130203 010_0200	OLIVE BRANCH	Rutherford	8.1	Alteration of stream-side or littoral vegetation Loss of biological integrity due to siltation	NA NA	Land Development  Category 4a. EPA approved a habitat alteration TMDL that addresses the known pollutants on 10/31/02.
TN05130203 010_0300	HARTS BRANCH	Rutherford	3.9	Nutrients Loss of biological integrity due to siltation	L L	Discharges from MS4 area  Category 5. (One or more uses impaired.) TMDLs needed.
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 Land Development  Category 4a. EPA approved a siltation/ habitat alteration TMDLs that address known pollutants in this stream on 10/31/02.
TN05130203 010_1000	STEWARTS CREEK	Rutherford	7.0	Low dissolved oxygen Nitrate+Nitrite Total Phosphorus Loss of biological integrity due to siltation	L L L NA	Municipal Point Source Discharges from MS4 area  Category 5. (One or more uses impaired.) TMDLs needed. EPA approved a siltation TMDL that addresses some of the known pollutants in this stream on 10/31/02.

Version 2016 303(d) LIST (Stones River Watershed continued)

Waterbody ID	Impacted Waterbody	County	Miles/Acres Impaired	CAUSE / TMDL Priority	Pollutant Source	COMMENTS
TN05130203 010_2000	STEWARTS CREEK	Rutherford	5.5	Low dissolved oxygen L Loss of biological integrity NA due to siltation NA Escherichia coli NA	Discharges from MS4 area Pasture Grazing	Category 5. (One or more uses impaired.) TMDL needed. EPA approved a pathogen and siltation TMDL that addresses some of the known pollutants in this stream on 6/19/12 and 10/31/02.
TN05130203 015_0100	PUCKETT CREEK	Rutherford	6.7	Alteration in stream-side or littoral vegetative cover L	Land Development	Category 5. (One or more uses impaired.) TMDL needed.
TN05130203 018_0100	SINKING CREEK	Rutherford	5.5	Nitrate+Nitrite L Alteration in stream-side or littoral vegetative cover L Escherichia coli NA	Land Development Collection System Failure Discharges from MS4 area	Category 5. (One or more uses impaired.) TMDLs needed. EPA approved a pathogen TMDL that addresses some of the known pollutants on 6/19/12.
TN05130203 018_0210	CHRISTMAS CREEK	Rutherford	12.3	Escherichia coli NA	Pasture Grazing	Category 4a. EPA approved a pathogen TMDL that addresses the known pollutant on 6/19/12.
TN05130203 018_0300	DRY FORK CREEK	Rutherford	19.7	Escherichia coli L	Pasture Grazing	Category 5. (One or more uses impaired.) TMDL needed.
TN05130203 018_0400	UNNAMED TRIB TO WEST FORK STONES RIVER (this headwater stream previously identified as mainstem West Fork Stones segment 7000)	Rutherford	2.65	Low dissolved oxygen L Sulfates L	Pasture grazing Petroleum/Natural Gas Activities	Category 5. (One or more uses impaired.) TMDLs needed. This stream was previously identified as the mainstem West Fork. Segment is now believed to be a tributary. Abandoned petroleum well that needs to be capped.
TN05130203 018_0500	PANTHER CREEK	Rutherford	10.5	Alteration in stream-side or littoral vegetative cover L	Pasture Grazing	Category 5. (One or more uses impaired.) TMDL needed.
TN05130203 018_0600	UNNAMED TRIB TO WEST FORK STONES RIVER	Rutherford	5.87	Alteration in stream-side or littoral vegetative cover L Loss of biological integrity due to siltation L	Land Development	Category 5. (One or more uses impaired.) TMDLs needed.
TN05130203 018_1000	WEST FORK STONES RIVER	Rutherford	6.3	Escherichia coli L	Discharges from MS4 area	Category 5. (One or more uses impaired.) TMDL needed.
TN05130203 018_2000	WEST FORK STONES RIVER	Rutherford	1.3	Nitrate+Nitrite L Total Phosphorus L Loss of biological integrity due to siltation L	Municipal Point Source Land Development	Category 5. (One or more uses impaired.) TMDLs needed.

**2016 303(d) LIST (Stones River Watershed continued)**

<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_0100	TOWN CREEK (formerly Unnamed Trib to Lytle Creek)	Rutherford	0.13	Low dissolved oxygen Escherichia coli	NA NA	Undetermined Source  Category 4a. EPA approved a dissolved oxygen and pathogen TMDL that addresses the known pollutant on 5/16/08 and 6/19/12.
TN05130203 022_0200	LEES SPRING BRANCH	Rutherford	1.1	Alteration in stream-side or littoral vegetative cover Loss of biological integrity due to siltation	L L	Land Development  Category 5. (One or more uses impaired.) TMDLs needed.
TN05130203 022_1000	LYTLE CREEK	Rutherford	8.9	Alteration in stream-side or littoral vegetative cover Loss of biological integrity due to siltation Escherichia coli	NA NA NA	Discharges from MS4 area  Category 4a. EPA approved siltation/habitat alteration and pathogen TMDLs that address the known pollutants on 10/31/02 and 6/19/12.
TN05130203 022_2000	LYTLE CREEK	Rutherford	10.1	Alteration in stream-side or littoral vegetative cover Loss of biological integrity due to siltation Escherichia coli	NA NA NA	Pasture Grazing  Category 4a. EPA approved TMDLs that address known pollutants on 10/31/02 and 6/19/12.
TN05130203 023_0210	UNNAMED TRIB TO BUSHMAN CREEK	Rutherford	0.37	Alteration in stream-side or littoral vegetative cover Physical Substrate Habitat Alteration Loss of biological integrity due to siltation	L L L	Discharges from MS4 area Channelization  Category 5. (One or more uses impaired.) TMDLs needed.
TN05130203 023_0310	BEAR BRANCH	Rutherford	3.5	Alteration in stream-side or littoral vegetative cover Loss of biological integrity due to siltation Nutrients	NA NA NA	Pasture Grazing Land Development  Category 4a. EPA approved nutrient and siltation/habitat alteration TMDLs that address the known pollutants in this stream on 5/16/08 and 10/31/02.
TN05130203 026_2000	EAST FORK STONES RIVER	Cannon	6.5	Escherichia coli	NA	Pasture Grazing  Category 4a. EPA approved a pathogen TMDL that addresses known pollutant on 6/19/12.
TN05130203 029_0100	JARMAN BRANCH	Rutherford Wilson	4.4	Alteration in stream-side or littoral vegetative cover Loss of biological integrity due to siltation Nitrate+Nitrite	NA NA NA	Pasture Grazing Land Development  Category 4a. EPA has approved nutrient and siltation/habitat alteration TMDLs that address the known pollutants on 5/16/08 and 10/31/02.

**2016 303(d) LIST (Stones River Watershed continued)**

<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 029_0200	UNNAMED TRIB TO BRADLEY CREEK	Rutherford	2.7	Alteration in stream-side or littoral vegetative cover Nutrients NA NA	Pasture Grazing Unrestricted Cattle Access	Category 4a. EPA approved nutrient and habitat alteration TMDLs that address known pollutants on 5/16/08 and 10/31/02.
TN05130203 029_0300	UNNAMED TRIB TO BRADLEY CREEK	Rutherford	1.7	Alteration in stream-side or littoral vegetative cover Nutrients NA NA	Pasture Grazing Unrestricted Cattle Access	Category 4a. EPA approved nutrient and habitat alteration TMDLs that address the known pollutants on 5/16/08 and 10/31/02.
TN05130203 032_0200	CEDAR BRANCH (PREVIOUSLY CEDAR CREEK)	Wilson	1.7	Alteration in stream-side or littoral vegetative cover NA	Pasture Grazing Unrestricted Cattle Access	Category 4a. EPA has approved a habitat alteration TMDL for the known pollutants 10/31/02.
TN05130203 035_0100	SCOTTS CREEK	Davidson	4.7	Nitrate+Nitrite Total Phosphorus Loss of biological integrity due to siltation M M L	Discharges from MS4 area	Category 5. . (One or more uses impaired.) TMDLs needed.
TN05130203 035_0300	DRY FORK CREEK	Davidson	5.0	Loss of biological integrity due to siltation L	Discharges from MS4 area	Category 5. (One or more uses impaired.) TMDL needed.
TN05130203 035_0400	UNNAMED TRIB TO STONERS CREEK	Davidson	1.4	Loss of biological integrity due to siltation NA	Sand/Gravel/Rock Quarry	Category 4a. EPA approved a siltation TMDL for the known pollutant on 10/31/02.
TN05130203 035_1000	STONERS CREEK	Davidson	1.9	Loss of biological integrity due to siltation Escherichia coli NA NA	Sand/Gravel/Rock Quarry Land Development Collection System Failure	Category 4a. EPA approved a siltation and pathogen TMDLs that address the known pollutants on 10/31/02 and 6/19/12.
TN05130203 035_2000	STONERS CREEK	Wilson Davidson	12.6	Escherichia coli L	Discharges from MS4 area Pasture Grazing	Category 5. (One or more uses impaired.) TMDLs needed.
TN05130203 036_0100	EAST BRANCH HURRICANE CREEK	Rutherford	7.3	Alteration in stream-side or littoral vegetative cover Loss of biological integrity due to siltation L L	Discharges from MS4 area Channelization	Category 5. (One or more uses impaired.) TMDLs needed.
TN05130203 036_0200	WEST BRANCH HURRICANE CREEK	Rutherford Davidson	3.5	Nutrients Loss of biological integrity due to siltation NA L	Discharges from MS4 area Land Development	Category 5. (One or more uses impaired.) TMDL needed. EPA approved a nutrient TMDL that addresses one if the known pollutants on 5/16/12.

**2016 303(d) LIST (Stones River Watershed continued)**

<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 036_1000	HURRICANE CREEK	Rutherford Davidson	8.5	Nutrients Loss of biological integrity due to siltation Escherichia coli	NA NA NA	Industrial Point Source Land Development Discharges from MS4 area	Category 4a. EPA approved a nutrient, siltation and pathogen TMDLs that address some of the known pollutants on 5/16/12, 10/31/02 and 6/19/12.
TN05130203 230_0100	NORTH CREEK	Wilson	2.1	Loss of biological integrity due to siltation	L	Land Development	Category 5. (One or more uses impaired.) TMDL needed.
TN05130203 232_0100	NORTH FORK SUGGS CREEK	Wilson	5.66	Alteration in stream-side or littoral vegetative cover Nutrients Loss of biological integrity due to siltation	L L L	Pasture Grazing On-site Treatment System Discharges from MS4 area	Category 5. (One or more uses impaired.) TMDLs needed.
TN05130203 232_0110	ANTHONY BRANCH	Wilson	3.53	Nutrients	L	On-site Treatment System	Category 5. (One or more uses impaired.) TMDL needed.
TN05130203 232_1000	SUGGS CREEK	Davidson Wilson	18.1	Nutrients Loss of biological integrity due to siltation	L L	On-site Treatment System Pasture Grazing	Category 5. (One or more uses impaired.) TMDLs needed.
TN05130203 539_0100	WEST FORK HAMILTON CREEK	Davidson	1.8	Alteration in stream-side or littoral vegetative cover Loss of biological integrity due to siltation	L L	Discharges from MS4 area	Category 5. (One or more uses impaired.) TMDLs needed.
TN05130203 539_1000	EAST FORK HAMILTON CREEK	Davidson	6.0	Alteration in stream-side or littoral vegetative cover Physical substrate habitat alterations Loss of biological integrity due to siltation	L L L	Discharges from MS4 area Channelization	Category 5. (One or more uses impaired.) TMDLs needed.

**Harpeth River Watershed**

This basin contains the following USGS Hydrologic Unit Code: 05130204 (Harpeth 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>	
TN05130204 001_0600	UNNAMED TRIB. TO HARPETH RIVER	Dickson	1.59	Flow Alterations	NA	Upstream Impoundments	Category 4c. (Impairment not caused by a pollutant.)
TN05130204 001_0700	TRACE CREEK	Cheatham Dickson	8.3	Escherichia coli	NA	Collection System Failure	Category 4a. EPA approved a pathogen TMDL that addresses the known pollutant on 3/24/06.
TN05130204 002_0200	UNNAMED TRIB. TO JONES CREEK	Dickson	6.48	Flow Alterations	NA	Upstream Impoundments	Category 4c. (Impairment not caused by a pollutant.)

**2016 303(d) LIST (Harpeth River Watershed continued)**

<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 002_0400	WILL HALL CREEK	Dickson	0.96	Escherichia coli L	Pasture Grazing	Category 5. (One or more uses impaired.) TMDL needed.
TN05130204 002_0410	CREECH HOLLOW BRANCH	Dickson	4.32	Alteration in stream-side or littoral vegetative cover L Escherichia coli L	Pasture Grazing	Category 5. (One or more uses impaired.) TMDL needed.
TN05130204 002_0411	WILDCAT HOLLOW BRANCH	Dickson	3.27	Flow Alterations NA	Upstream Impoundments	Category 4c. (Impairment not caused by a pollutant.)
TN05130204 002_0600	UNNAMED TRIB. TO JONES CREEK	Dickson	0.26	Other anthropogenic substrate alterations NA Loss of biological integrity due to siltation NA	Golf Course Upstream Impoundment	Category 4a. EPA approved a siltation/ habitat alteration TMDL for the known pollutants on 10/31/02.
TN05130204 002_0700	SPICER BRANCH	Dickson	4.6	Physical substrate habitat alterations NA Loss of biological integrity due to siltation NA	Channelization Land Development	Category 4a. EPA approved a siltation/ habitat alteration TMDL for the known pollutants on 10/31/02.
TN05130204 002_1300	TOWN BRANCH	Dickson	7.6	Escherichia coli L	Undetermined Source	Category 5. (One or more uses impaired.) TMDL needed.
TN05130204 002_2000	JONES CREEK	Dickson	7.0	Nitrate+Nitrite M Total Phosphorus M Escherichia coli NA	Municipal Point Source Pasture Grazing	Category 5. (One or more uses impaired.) TMDLs needed. EPA approved a pathogen TMDL for some of the known pollutants on 3/24/06.
TN05130204 002_3000	JONES CREEK	Dickson	8.1	Nutrients M Alteration in stream-side or littoral vegetative cover NA Loss of biological integrity due to siltation NA	Land Development Pasture Grazing	Category 5. (One or more uses impaired.) TMDL needed. EPA approved a siltation/ habitat alteration TMDL for some of the known pollutants in this stream on 10/31/02.
TN05130204 009_0400	FLAT CREEK	Davidson	3.6	Alteration in stream-side or littoral vegetative cover NA Loss of biological integrity due to siltation NA	Discharges from MS4 Area	Category 4a EPA approved a siltation/habitat alteration TMDL for the known pollutants on 10/31/2002.
TN05130204 009_0600	MURRAY BRANCH	Williamson	3.6	Alteration in stream-side or littoral vegetative cover NA Loss of biological integrity due to siltation NA	Pasture Grazing Non-irrigated Crop Production	Category 4a. EPA approved siltation/habitat alteration TMDLs for the known pollutants on 10/31/02.
TN05130204 009_0700	BROWN CREEK	Williamson	5.3	Loss of biological integrity due to siltation L	Pasture Grazing	Category 5. (One or more uses impaired.) TMDL needed.

**2016 303(d) LIST (Harpeth River Watershed continued)**

<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_0800	UNNAMED TRIB TO HARPETH RIVER	Williamson	2.1	Alteration in stream-side or littoral vegetative cover L Loss of biological integrity due to siltation NA	Pasture Grazing Land Development	Category 5. (One or more uses impaired.) TMDL needed. EPA approved a siltation/habitat alteration TMDL for the known pollutants on 10/31/02.
TN05130204 009_0900	TRACE CREEK	Davidson Williamson	4.9	Physical substrate habitat alteration NA Loss of biological integrity due to siltation L	Land Development	Category 5. (One or more uses impaired.) TMDL needed. EPA approved a habitat alteration TMDL for the known pollutant on 10/31/02.
TN05130204 009_1100	BEECH CREEK	Davidson	3.6	Alteration in stream-side or littoral vegetative cover NA Loss of biological integrity due to siltation NA	Pasture Grazing Discharges from MS4 area	Category 4a. EPA approved a siltation/habitat alteration TMDL for the known pollutants on 10/31/02
TN05130204 009_2000	HARPETH RIVER	Cheatham Davidson	18.8	Total Phosphorus M Low dissolved oxygen M	Municipal Point Sources Discharges from MS4 area	Category 5. (One or more uses impaired.) TMDL needed.
TN05130204 009_3000	HARPETH RIVER	Davidson Williamson	16.8	Total Phosphorus M Low dissolved oxygen M	Municipal Point Sources Discharges from MS4 area	Category 5. (One or more uses impaired.) TMDL needed.
TN05130204 010_0200	UNNAMED TRIB TO SOUTH HARPETH RIVER	Davidson	1.52	Flow Alteration NA	Upstream Impoundment	Category 4c. (Impairment not caused by a pollutant.)
TN05130204 010_0300	UNNAMED TRIB TO SOUTH HARPETH RIVER	Davidson	2.34	Alteration in stream-side or littoral vegetative cover L	Discharges from MS4 area	Category 5. (One or more uses impaired.) TMDL needed.
TN05130204 010_0720	ARKANSAS CREEK	Williamson	11.17	Escherichia coli NA	Pasture Grazing	Category 4a. A pathogen TMDL addresses the known pollutant on 3/24/06. (This segment was identified as _0600 in TMDL).
TN05130204 013_0100	HATCHER SPRING CREEK	Williamson	6.5	Alteration in stream-side or littoral vegetative cover L Loss of biological integrity due to siltation L	Pasture Grazing Land Development	Category 5. (One or more uses impaired.) TMDLs needed.
TN05130204 013_0200	POLK CREEK	Williamson	8.8	Alteration in stream-side or littoral vegetative cover NA Loss of biological integrity due to siltation NA Escherichia coli L	Pasture Grazing	Category 5. (One or more uses impaired.) TMDL needed. EPA approved a siltation/habitat alteration TMDL for the known pollutants on 10/31/02. (This segment was identified as _0100 in TMDL).
TN05130204 013_0300	UNNAMED TRIB TO WEST HARPETH RIVER	Williamson	1.8	Loss of biological integrity due to siltation L	Pasture Grazing	Category 5. (One or more uses impaired.) TMDL needed.

**2016 303(d) LIST (Harpeth River Watershed continued)**

<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_0400	UNNAMED TRIB TO WEST HARPETH RIVER	Williamson	1.3	Loss of biological integrity due to siltation L	Highways, Roads, Bridge, Infrastructure Construction	Category 5. (One or more uses impaired.) TMDL needed.
TN05130204 013_0500	KENNEDY CREEK	Williamson	4.8	Physical substrate habitat alterations NA Loss of biological integrity due to siltation NA	Land Development	Category 4a. EPA approved a siltation/habitat alteration TMDL for the known pollutants on 10/31/02. (This segment was identified as _0200 in TMDL).
TN05130204 013_0600	UNNAMED TRIB TO WEST HARPETH RIVER	Williamson	6.5	Loss of biological integrity due to siltation L Alteration in stream-side or littoral vegetative cover L	Land Development Pasture Grazing	Category 5. (One or more uses impaired.) TMDLs needed.
TN05130204 013_0700	MURFREES FORK	Williamson	6.2	Escherichia coli L	Pasture Grazing	Category 5. (One or more uses impaired.) TMDL needed.
TN05130204 013_0710	RATTLESNAKE BRANCH	Williamson	6.5	Alteration in stream-side or littoral vegetative cover NA Nutrients M Escherichia coli L	Pasture Grazing	Category 5. (One or more uses impaired.) TMDL needed. EPA approved habitat alteration TMDL for some of the known pollutants on 10/31/02. (This segment was identified as _0310 in siltation TMDL and _0610 in nutrient TMDL.)
TN05130204 013_0720	CAYCE BRANCH	Williamson	5.9	Physical substrate habitat alteration NA Loss of biological integrity due to siltation NA	Pasture Grazing Unrestricted Cattle Access	Category 4a. EPA approved a siltation/ habitat alteration TMDL for the known pollutants on 10/31/2002.
TN05130204 013_0730	WEST PRONG MURFREES FORK	Williamson	6.0	Escherichia coli NA	Pasture Grazing	Category 4a. EPA approved a pathogen TMDL for the known pollutants on 3/24/06.
TN05130204 013_0750	MURFREES FORK	Williamson	18.4	Total Phosphorus M Alteration in stream-side or littoral vegetative cover L Loss of biological integrity due to siltation L Escherichia coli NA	Pasture Grazing	Category 5. (One or more uses impaired.) TMDLs needed. EPA approved a pathogen TMDL for the known pollutant on 3/24/06.
TN05130204 013_2000	WEST HARPETH RIVER	Williamson	10.9	Alteration in stream-side or littoral vegetative cover L Loss of biological integrity due to siltation L Escherichia coli NA	Pasture Grazing	Category 5. (One or more uses impaired.) TMDLs needed. EPA approved a pathogen TMDL for the known pollutant on 3/24/06.

2016 303(d) LIST (Harpeth River Watershed continued)

Waterbody ID	Impacted Waterbody	County	Miles/Acres Impaired	CAUSE / TMDL Priority	Pollutant Source	COMMENTS
TN05130204 016_0100	LYNWOOD CREEK	Williamson	5.4	Nutrients M Alteration in stream-side or littoral vegetative cover NA Loss of biological integrity due to siltation NA	Pasture Grazing Land Development Discharges from MS4 area	Category 5. (One or more uses impaired.) TMDL needed. EPA approved a siltation/habitat alteration TMDL for the known pollutants on 10/31/2002. <b>TMDL Vision Priority Watershed</b>
TN05130204 016_0200	SPENCER CREEK	Williamson	13.98	Alteration in stream-side or littoral vegetative cover L Loss of biological integrity due to siltation NA Escherichia coli L	Discharges from MS4 area	Category 5. (One or more uses impaired.) TMDLs needed. EPA approved siltation/habitat alteration TMDLs for some of the known pollutants on 10/31/2002.
TN05130204 016_0210	SOUTH PRONG SPENCER CREEK	Williamson	5.76	Loss of biological integrity due to siltation NA Alteration in stream-side or littoral vegetative cover NA	Land Development	Category 4a. EPA approved a siltation/habitat alteration TMDL for the known pollutants on 10/31/2002.
TN05130204 016_0300	LIBERTY CREEK	Williamson	0.54	Toluene L Low Dissolved Oxygen M Loss of biological integrity due to siltation L Alteration of stream-side or littoral vegetative cover L	Industrial Point Source Discharges from MS4 area	Category 5. (One or more uses impaired.) TMDLs needed. Liberty Creek is impacted in part due to releases of toluene. These substances indirectly affect fish and aquatic life and directly impact the aesthetics of the stream.
TN05130204 016_0350	LIBERTY CREEK	Williamson	1.31	Loss of biological integrity due to siltation L Alteration of stream-side or littoral vegetation L	Discharges from MS4 area	Category 5. (One or more uses impaired.) TMDLs needed.
TN05130204 016_0400	UNNAMED TRIB TO HARPETH RIVER	Williamson	2.94	Loss of biological integrity due to siltation L Alteration of stream-side or littoral vegetation L	Discharges from MS4 area	Category 5. (One or more uses impaired.) TMDLs needed.
TN05130204 016_0500	WATSON BRANCH	Williamson	6.8	Loss of biological integrity due to siltation NA	Land Development	Category 4a. EPA approved a siltation TMDL for the known pollutant on 10/31/2002.
TN05130204 016_0810	PAIGE BRANCH	Williamson	3.08	Loss of biological integrity due to siltation L Alteration of stream-side or littoral vegetation L	Pasture Grazing	Category 5. (One or more uses impaired.) TMDLs needed.

**2016 303(d) LIST (Harpeth River Watershed continued)**

<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_1000	HARPETH RIVER	Williamson	6.8	Loss of biological integrity due to siltation L Low dissolved oxygen M Total Phosphorus M	Municipal Point Source Discharges from MS4 area	Category 5. (One or more uses impaired.) TMDL needed. <b>TMDL Vision Priority Watershed</b>
TN05130204 016_1300	FIVEMILE CREEK	Williamson	5.75	Loss of biological integrity due to siltation NA Escherichia coli NA	Pasture Grazing	Category 4a. EPA approved siltation and pathogen TMDLs for the known pollutants on 10/31/2002 and 3/24/06.
TN05130204 016_1350	FIVEMILE CREEK	Williamson	8.56	Escherichia coli NA	Pasture Grazing	Category 4a. EPA approved pathogen TMDLs for the known pollutants on 3/24/06. (This segment was identified as _1100 in TMDL).
TN05130204 016_1400	DONELSON CREEK	Williamson	3.4	Alteration in stream-side or littoral vegetative cover L Loss of biological integrity due to siltation NA	Discharges from MS4 area	Category 5. (One or more uses impaired.) TMDL needed. EPA approved a siltation TMDL for the known pollutant on 10/31/2002.
TN05130204 016_1500	UNNAMED TRIB TO HARPETH RIVER	Williamson	4.0	Alteration in stream-side or littoral vegetative cover NA Loss of biological integrity due to siltation NA	Land Development	Category 4a. EPA approved a siltation/ habitat alteration TMDL for the known pollutants on 10/31/2002.
TN05130204 016_1600	SHARPS CREEK (formerly called Sparks Branch)	Williamson	4.9	Alteration in stream-side or littoral vegetative cover NA Loss of biological integrity due to siltation NA	Discharges from MS4 area	Category 4a. EPA approved a siltation/ habitat alteration TMDL for the known pollutants on 10/31/2002.
TN05130204 016_2000	HARPETH RIVER	Williamson	3.9	Low Dissolved Oxygen M Total Phosphorus M Loss of biological integrity due to siltation NA Escherichia coli NA	Discharges from MS4 area Pasture Grazing	Category 5. (One or more uses impaired.) EPA approved pathogen and siltation/habitat alteration TMDLs for the known pollutants on 10/31/2002 and 3/24/06. <b>TMDL Vision Priority Watershed</b>
TN05130204 016_3000	HARPETH RIVER	Williamson	9.0	Low Dissolved Oxygen M Loss of biological integrity due to siltation NA	Pasture Grazing	Category 5. (One or more uses impaired.) EPA approved siltation TMDL for the known pollutants on 10/31/2002.
TN05130204 016_4000	HARPETH RIVER	Williamson	7.5	Low Dissolved Oxygen M Loss of biological integrity due to siltation NA	Pasture Grazing	Category 5. (One or more uses impaired.) EPA approved siltation TMDL for the known pollutants on 10/31/2002.

**2016 303(d) LIST (Harpeth River Watershed continued)**

<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 018_0200	CONCORD CREEK	Rutherford	13.65	Alteration in stream-side or littoral vegetative cover Loss of biological integrity due to siltation NA NA	Pasture Grazing Specialty Crop Production	Category 4a. EPA approved a siltation/ habitat alteration TMDL for the known pollutants on 10/31/2002. Sod farming is specialty crop.
TN05130204 018_0220	UNNAMED TRIB TO CONCORD CREEK (previously Unnamed Trib to Harpeth River)	Rutherford	1.23	Alteration in stream-side or littoral vegetative cover Loss of biological integrity due to siltation NA NA	Pasture Grazing Channelization	Category 4a. EPA has approved a siltation/ habitat alteration TMDL for the known pollutants on 10/31/2002.
TN05130204 018_0300	KELLEY CREEK	Rutherford	5.91	Alteration in stream-side or littoral vegetative cover Loss of biological integrity due to siltation Escherichia coli NA NA	Specialty Crop Production Pasture Grazing	Category 4a. EPA approved pathogen and siltation/ habitat alteration TMDLs for the known pollutants on 10/31/2002 and 3/24/06. (This segment was identified as _0400 in TMDL.)
TN05130204 018_0400	CHEATHAM BRANCH	Rutherford	3.4	Alteration in stream-side or littoral vegetative cover Loss of biological integrity due to siltation NA NA	Pasture Grazing	Category 4a. EPA approved a siltation/ habitat alteration TMDL for the known pollutants on 10/31/2002.
TN05130204 018_2000	HARPETH RIVER	Williamson Rutherford	2.7	Lead NA	Industrial Point Source Discharge Contaminated Sediment	Category 4a. EPA has approved a lead TMDL for the known pollutant on 10/31/02.
TN05130204 018_3000	HARPETH RIVER	Rutherford	7.39	Low Dissolved Oxygen Alteration in stream-side or littoral vegetative cover Loss of biological integrity due to siltation Escherichia coli M NA NA M	Pasture Grazing	Category 5. (One or more uses impaired.) TMDL needed. EPA has approved a siltation/ habitat alteration TMDL for some of the known pollutants on 10/31/2002.
TN05130204 021_0100	OTTER CREEK	Davidson	4.6	Total Phosphorus Alteration in stream-side or littoral vegetative cover Loss of biological integrity due to siltation Flow Alteration M NA NA NA	Discharges from MS4 area Upstream Impoundment	Category 5. (One or more uses impaired.) TMDL needed. EPA has approved a siltation/ habitat alteration TMDL for the known pollutants on 10/31/2002. Flow alteration is 4c (Impairment not caused by pollutant).
TN05130204 021_0200	UNNAMED TRIB TO LITTLE HARPETH RIVER	Williamson	2.46	Alteration in stream-side or littoral vegetative cover Loss of biological integrity due to siltation NA NA	Discharges from MS4 area	Category 4a. EPA has approved a siltation/ habitat alteration TMDL for the known pollutants on 10/31/2002.

**2016 303(d) LIST (Harpeth River Watershed continued)**

Waterbody ID	Impacted Waterbody	County	Miles/Acres Impaired	CAUSE / TMDL Priority	Pollutant Source	COMMENTS
TN05130204 021_0300	UNNAMED TRIB TO LITTLE HARPETH RIVER	Williamson	4.93	Alteration in stream-side or littoral vegetative cover NA Loss of biological integrity due to siltation NA	Discharges from MS4 area	Category 4a. EPA approved a siltation/ habitat alteration TMDL for the known pollutants on 10/31/2002.
TN05130204 021_0400	BEECH CREEK	Williamson	7.7	Alteration in stream-side or littoral vegetative cover NA Loss of biological integrity due to siltation NA	Land Development	Category 4a. EPA approved a siltation/ habitat alteration TMDL for the known pollutants on 10/31/2002.
TN05130204 021_1000	LITTLE HARPETH RIVER	Davidson Williamson	4.1	Alteration in stream-side or littoral vegetative cover NA Loss of biological integrity due to siltation NA Escherichia coli NA	Land Development Collection System Failure	Category 4a. EPA approved pathogen, siltation/ habitat alteration, and organic enrichment TMDLs for the known pollutants on 10/31/2002 and 3/24/06.
TN05130204 021_2000	LITTLE HARPETH RIVER	Williamson	12.1	Alteration in stream-side or littoral vegetative cover NA Loss of biological integrity due to siltation NA	Pasture Grazing Discharges from MS4 area	Category 4a. EPA approved siltation/ habitat alteration TMDLs for the known pollutants on 10/31/2002

**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 015_1000	BARKLEY RESERVOIR	Stewart Montgomery	20459 ac	Temperature Alterations L	Industrial Thermal Discharges	Thermal discharges from Cumberland Steam Plant impacted both recreation and aquatic life during the summer of 2007 when reduced flows and elevated ambient temperatures placed stress on the system. Upstream of the steam plant, water quality standards were maintained. Category 5. (One or more uses impaired.) According to the Clean Water Act, since the Balanced and Indigenous Population (BIP) requirement was not maintained, a Total Maximum Daily Thermal Load study is required.

**2016 303(d) LIST (Barkley Reservoir Watershed continued)**

Waterbody ID	Impacted Waterbody	County	Miles/Acres Impaired	CAUSE / TMDL Priority	Pollutant Source	COMMENTS
TN05130205 015T_1100	WALL BRANCH	Montgomery	4.8	Loss of biological integrity due to siltation Nitrate+Nitrite L L	Discharges from MS4 area Off-road Vehicles	Category 5. (One or more uses impaired.) TMDLs needed.
TN05130205 020_1000	EAST FORK	Montgomery	5.5	Alteration in stream-side or littoral vegetative cover Loss of biological integrity due to siltation Escherichia coli L L NA	Pasture Grazing	Category 5. (One or more uses impaired.) TMDLs needed. EPA approved a pathogen TMDL that addresses some of the known pollutants in this stream on 12/26/07. (Named East Fork Yellow Creek in TMDL.)
TN05130205 024_0700	LOUISE CREEK	Montgomery	22.4	Alteration in stream-side or littoral vegetative cover Loss of biological integrity due to siltation L L	Pasture Grazing	Category 5. (One or more uses impaired.) TMDLs needed.
TN05130205 033_0300	RACCOON CREEK	Cheatham	8.3	Loss of biological integrity due to siltation L	Pasture Grazing Nonirrigated Crop Production	Category 5. (One or more uses impaired.) TMDL needed.
TN05130205 038_1000	BIG MCADOO CREEK	Montgomery	13.1	Loss of biological integrity due to siltation Nutrients Escherichia coli L L L	Nonirrigated Crop Production Land Development Pasture Grazing	Category 5. (One or more uses impaired.) TMDLs needed.
TN05130205 110_0300	BARTEE BRANCH	Montgomery	5.71	Low Dissolved Oxygen Flow Alterations L NA	Upstream Impoundment	Category 5. (One or more uses impaired.) TMDL needed. Flow alteration is 4c (Impairment not caused by pollutant). Randomly selected for Impounded Stream Study.
TN05130205 1735_0400	ERIN BRANCH	Houston	14.4	Escherichia coli L	Urbanized High Density Area	Category 5. (One or more uses impaired.) TMDL needed. Erin area impacts.

**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 Physical Substrate Habitat Alterations L L	Discharges from MS4 area Land Development	Category 5. (One or more uses impaired.) TMDLs needed.

**2016 303(d) LIST (Red River Watershed continued)**

<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_0200	ELK FORK CREEK	Robertson	3.9	Alteration of stream-side or littoral vegetation Loss of biological integrity due to siltation	L L Unrestricted Cattle Access	Category 5. (One or more uses impaired.) TMDL needed.
TN05130206 002_0300	SPRING CREEK	Robertson	12.25	Nitrate+Nitrite Loss of biological integrity due to siltation Escherichia coli	L L L	Category 5. (One or more uses impaired.) TMDLs needed. <b>TMDL Vision Priority Watershed</b>
TN05130206 002_0400	BUZZARD CREEK	Robertson	11.0	Escherichia coli	NA Pasture Grazing	Category 4a. EPA approved a pathogen TMDL that addresses the known pollutant on 3/28/08.
TN05130206 002_0700	SEVEN SPRINGS	Montgomery	1.1	Nitrate+Nitrite Loss of biological integrity due to siltation Escherichia coli	L L NA	Category 5. (One or more uses impaired.) TMDLs needed. EPA approved pathogen TMDL addresses some of the known pollutants on 3/28/08.
TN05130206 002_1000	RED RIVER	Montgomery	2.4	Loss of biological integrity due to siltation Escherichia coli Other Habitat Alterations Nutrients	L NA L L	Category 5. (One or more uses impaired.) TMDLs needed. EPA approved a pathogen TMDL that addresses some of the known pollutants on 3/28/08.
TN05130206 002_2000	RED RIVER	Montgomery	22.9	Nitrates	L Pasture Grazing	Domestic water supply use impacted. Category 5. (One or more uses impaired.) TMDLs needed
TN05130206 002_3000	RED RIVER	Montgomery Robertson	17.5	Nitrates	L Nonirrigated Crop Production	Impairment is to domestic water supply use. Category 5. (One or more uses impaired.) TMDL needed.
TN05130206 002_4000	RED RIVER	Robertson	4.5	Nitrates	L Nonirrigated Crop Production	Impairment is to domestic water supply use. Category 5. (One or more uses impaired.) TMDL needed. <b>TMDL Vision Priority Watershed</b>
TN05130206 002_5000	RED RIVER	Robertson	3.3	Alteration to stream-side or littoral vegetation Physical Substrate Habitat Alterations Nitrates	L L L	Nitrate impairment is to domestic water supply use. Category 5. (One or more uses impaired.) TMDLs needed.

**2016 303(d) LIST (Red River Watershed continued)**

<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 003_0100	CHAMBERS SPRING BRANCH	Robertson	4.3	Alteration to stream-side or littoral vegetation L Loss of biological integrity due to siltation L	Pasture Grazing Unrestricted Cattle Access	Category 5 (One or more uses impaired.) TMDLs needed.
TN05130206 003_0300	PEPPERS BRANCH	Robertson	4.2	Alteration to stream-side or littoral vegetation L Loss of biological integrity due to siltation L	Pasture Grazing	Category 5. (One or more uses impaired.) TMDLs needed. Segment contains a large wetland area.
TN05130206 003_1100	WARTRACE CREEK	Robertson	0.72	Temperature Alterations L Flow Alterations NA	Upstream Impoundment	Category 5. (One or more uses impaired.) TMDL needed. Flow alteration is 4c (Impairment not caused by pollutant).
TN05130206 003_1150	WARTRACE CREEK	Robertson	6.32	Alteration to stream-side or littoral vegetation L Loss of biological integrity due to siltation L	Discharges from MS4 area	Category 5. (One or more uses impaired.) TMDLs needed.
TN05130206 003_1200	BLACK BRANCH	Robertson	1.87	Other Anthropogenic Substrate Alterations L	Discharges from MS4 area	Category 5. (One or more uses impaired.) TMDL needed.
TN05130206 003_1300	CARR CREEK	Robertson	2.9	Escherichia coli NA	Collection System Failure	Category 4a. EPA approved a pathogen TMDL that addresses the known pollutant on 3/28.
TN05130206 003_1320	UNNAMED TRIB TO CARR CREEK	Robertson	1.6	Nitrate+Nitrite L Total Phosphorus L Temperature Alterations L Escherichia coli NA	Municipal Point Source	Category 5. (One or more uses impaired.) TMDLs needed. EPA approved a pathogen TMDL that addresses some of the known pollutants on 3/28/08. (This segment was identified as _1220 in TMDL.)
TN05130206 003_1350	CARR CREEK	Robertson	7.8	Escherichia coli L	Collection System Failure	Category 5. (One or more uses impaired.) TMDL needed.
TN05130206 003_1355	CARR CREEK	Robertson	11.3	Nitrate+Nitrite L Total Phosphorus L Escherichia coli NA	Collection System Failure	Category 5. (One or more uses impaired.) TMDLs needed. EPA approved a pathogen TMDL that addresses some of the known pollutants on 3/28/08. (This segment was identified as _1255 in TMDL.)
TN05130206 003_1360	BROWNS FORK	Robertson	6.2	Escherichia coli L	Pasture Grazing	Category 5. (One or more uses impaired.) TMDL needed.

**2016 303(d) LIST (Red River Watershed continued)**

<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>
TN05130206 003_1550	MILLERS CREEK	Robertson	3.5	Loss of biological integrity due to siltation L	Land Development	Category 5. (One or more uses impaired.) TMDL needed.
TN05130206 003_3000	SULPHUR FORK	Robertson	1.9	Low Dissolved Oxygen L Total Phosphorus L Loss of biological integrity due to siltation L Escherichia coli L	Municipal Point Source Discharges from MS4 area	Category 5. (One or more uses impaired.) TMDLs needed.
TN05130206 003_4000	SULPHUR FORK	Robertson	8.6	Escherichia coli L	Discharges from MS4 area	Category 5. (One or more uses impaired.) TMDL needed.
TN05130206 019_0321	FREY BRANCH	Robertson	7.2	Nitrate+Nitrite L Total Phosphorus L Loss of biological integrity due to siltation L Escherichia coli NA	Municipal Point Source Unrestricted Cattle Access	Category 5. (One or more uses impaired.) TMDLs needed. EPA approved a pathogen TMDL that addresses some of the known pollutants on 3/28/08.
TN05130206 019_1000	SOUTH FORK RED RIVER	Robertson	12.9	Escherichia coli L	Pasture Grazing	Category 5. (One or more uses impaired.) TMDL needed.
TN05130206 024_0150	SUMMERS BRANCH	Robertson Sumner	12.6	Nitrate+Nitrite L Total Phosphorus L Loss of biological integrity due to siltation L Escherichia coli NA	Municipal Point Source Collection System Failure Pasture Grazing	Category 5. (One or more uses impaired.) TMDLs needed. EPA approved a pathogen TMDL that addresses some of the known pollutants on 3/28/08. Impacts include Portland STP.
TN05130206 024_1000	RED RIVER	Robertson	6.6	Total Phosphorus L Loss of biological integrity due to siltation L Alteration of stream-side or littoral vegetation L	Pasture Grazing Nonirrigated Crop Production	Category 5. (One or more uses impaired.) TMDLs needed.
TN05130206 034_0300	NOAHS SPRING BRANCH	Montgomery	2.8	Unknown Toxicity L	Undetermined Source Source in Other State	Category 5. (One or more uses impaired.) TMDL needed.
TN05130206 034_1000	LITTLE WEST FORK	Montgomery	9.9	Total Phosphorus L Loss of biological integrity due to siltation L Low Dissolved Oxygen L	Municipal Point Source NPS Pollution from Military Bases	Category 5. (One or more uses impaired.) TMDLs needed.
TN05130206 034_2000	LITTLE WEST FORK	Montgomery	3.31	Loss of biological integrity due to siltation L	NPS Pollution from Military Bases	Category 5. (One or more uses impaired.) TMDL needed.
TN05130206 039_0100	SPRING CREEK	Montgomery	8.9	Loss of biological integrity due to siltation L Total Phosphorus L Nitrate+Nitrite L	Discharges from MS4 area Nonirrigated Crop Production	Category 5. (One or more uses impaired.) TMDLs needed.

**2016 303(d) LIST (Red River Watershed continued)**

Waterbody ID	Impacted Waterbody	County	Miles/Acres Impaired	CAUSE / TMDL Priority	Pollutant Source	COMMENTS
TN05130206 039_0110	UNNAMED TRIB TO SPRING CREEK	Montgomery	5.38	Alteration of stream-side or littoral vegetation L Total Phosphorus L	Nonirrigated Crop Production	Category 5. (One or more uses impaired.) TMDLs needed.
TN05130206 039_0150	SPRING CREEK	Montgomery	22.5	Loss of biological integrity due to siltation L Total Phosphorus L Nitrate+Nitrite L Alteration of stream-side or littoral vegetation L	Nonirrigated Crop Production Land Development Sources Outside State	Category 5. (One or more uses impaired.) TMDLs needed.
TN05130206 039_1000	WEST FORK RED RIVER	Montgomery	10.2	Loss of biological integrity due to siltation L Nitrate+Nitrite L Total Phosphorus L Other Anthropogenic L Habitat Alterations L	Land Development Discharges from MS4 Area	Category 5. (One or more uses impaired.) TMDLs needed.

**North Fork Holston River**

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

Waterbody ID	Impacted Waterbody	County	Miles/Acres Impaired	CAUSE / TMDL Priority	Pollutant Source	COMMENTS
TN06010101 001_1000	NORTH FORK HOLSTON RIVER	Hawkins Sullivan	6.1	Mercury L	Industrial Point Source Source in Other State Contaminated Sediment	Category 5. (One or more uses impaired.) TMDL needed. Provides habitat for the federally listed mussel, five-rayed pigtoe ( <u>Fusconaia cuneolus</u> ) and fish, spottin chub ( <u>Cyprinella monacha</u> ). <a href="#">Advisory</a> due to Hg historically discharged by Olin in Saltville, VA.

**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 NA Escherichia coli H	Discharges from MS4 area Channelization	Category 5. (One or more uses impaired.) TMDL needed EPA approved a habitat alteration TMDL for the known pollutant on 8/16/06.

**2016 303(d) LIST (South Fork Holston River Basin continued)**

<b>Waterbody ID</b>	<b>Impacted Waterbody</b>	<b>County</b>	<b>Miles/Acres Impaired</b>	<b>CAUSE / TMDL Priority</b>	<b>Pollutant Source</b>	<b>COMMENTS</b>
TN06010102 001_1000	SOUTH FORK HOLSTON RIVER	Sullivan	5.5	Flow alteration NA Temperature Alterations L Total Phosphorus L	Upstream Impoundment Discharges from MS4 area Municipal Point Source	Category 5 (One or more uses impaired.) TMDLs needed. Flow alteration is 4c (Impairment not caused by a pollutant).
TN06010102 001_2000	SOUTH FORK HOLSTON RIVER	Sullivan	2.4	Low dissolved oxygen L Flow alterations NA Temperature Alterations L	Upstream Impoundment	Category 5 (One or more uses impaired.) TMDLs needed. Flow alteration is 4c (Impairment not caused by a pollutant).
TN06010102 003_0100	MILL CREEK	Sullivan	6.6	Escherichia coli H Alteration in stream-side or littoral vegetative cover L	Pasture Grazing	Category 5. (One or more uses impaired.) TMDLs needed.
TN06010102 003_0200	UNNAMED TRIB TO HORSE CREEK	Sullivan Washington	3.8	Escherichia coli H	Pasture Grazing	Category 5. (One or more uses impaired.) TMDL needed.
TN06010102 003_0300	FALL BRANCH	Washington	3.4	Escherichia coli H Alteration in stream-side or littoral vegetative cover L	Pasture Grazing	Category 5. (One or more uses impaired.) TMDLs needed.
TN06010102 003_0400	WALKER FORK CREEK	Sullivan	6.26	Alteration in stream-side or littoral vegetative cover L Loss of biological integrity due to siltation L	Pasture Grazing	Category 5. (One or more uses impaired.) TMDLs needed.
TN06010102 003_0410	LYNCH BRANCH	Sullivan	3.06	Escherichia coli H Alteration in stream-side or littoral vegetative cover L	Pasture Grazing	Category 5. (One or more uses impaired.) TMDLs needed.
TN06010102 003_0420	BLAIR GAP BRANCH	Sullivan	2.73	Escherichia coli H	Pasture Grazing	Category 5. (One or more uses impaired.) TMDL needed.
TN06010102 003_0500	BEAR CREEK	Sullivan	4.6	Alteration in stream-side or littoral vegetative cover L Escherichia coli H	Pasture Grazing	Category 5. (One or more uses impaired.) TMDLs needed.
TN06010102 003_0600	LITTLE HORSE CREEK	Sullivan	6.46	Alteration in stream-side or littoral vegetative cover L Loss of biological integrity due to siltation L Escherichia coli H	Pasture Grazing Discharges from MS4 area	Category 5. (One or more uses impaired.) TMDLs needed.
TN06010102 003_1000	HORSE CREEK	Sullivan	3.1	Alteration in stream-side or littoral vegetative cover L	Discharges from MS4 area	Category 5. (One or more uses impaired.) TMDL needed.
TN06010102 003_2000	HORSE CREEK	Sullivan	6.47	Escherichia coli H	Pasture Grazing	Category 5. (One or more uses impaired.) TMDL needed.

**2016 303(d) LIST (South Fork Holston River Basin continued)**

<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 003_3000	HORSE CREEK	Sullivan	4.35	Escherichia coli H	Pasture Grazing	Category 5. (One or more uses impaired.) TMDL needed.
TN06010102 004T_0100	RUSSELL CREEK	Sullivan	5.5	Escherichia coli H	Pasture Grazing	Category 5. (One or more uses impaired.) TMDL needed.
TN06010102 006_1000	BOONE RESERVOIR	Washington Sullivan	1968 ac	PCBs NA Chlordane NA	Contaminated Sediment	<a href="#">Fishing advisory</a> due to PCBs. Category 4a. EPA approved a chlordane and PCB TMDL for the known pollutants on 6/26/07.
TN06010102 006T_0100	GAMMON CREEK	Sullivan	3.8	Alteration in stream-side or littoral vegetative cover NA Nitrate+Nitrite L Low Dissolved Oxygen L Loss of biological integrity due to siltation NA Escherichia coli H	Channelization Discharges from MS4 area Pasture Grazing	Category 5. (One or more uses impaired.) TMDLs needed. EPA approved a siltation/habitat alteration TMDL for some of the known pollutants on 8/16/06.
TN06010102 006T_0200	WAGNER CREEK	Sullivan	5.5	Alteration in stream-side or littoral vegetative cover NA Loss of biological integrity due to siltation NA Escherichia coli NA	Pasture Grazing Discharges from MS4 area	Category 4a. EPA approved siltation/habitat alteration and pathogen TMDLs for the known pollutants on 8/16/06 and 9/25/06.
TN06010102 006T_0300	CANDY CREEK	Sullivan	3.2	Alteration in stream-side or littoral vegetative cover NA Loss of biological integrity due to siltation NA Escherichia coli NA	Pasture Grazing	Category 4a. EPA approved a siltation/habitat alteration and pathogen TMDLs for the known pollutants on 8/16/06 and 9/25/06.
TN06010102 012_0100	UNNAMED TRIB TO SOUTH FORK HOLSTON RIVER	Sullivan	2.0	Alteration in stream-side or littoral vegetative cover NA Loss of biological integrity due to siltation NA Escherichia coli NA	Pasture Grazing	Category 4a. EPA approved a siltation/habitat alteration and pathogen TMDLs for the known pollutants on 8/16/06 and 9/25/06.
TN06010102 012_0200	PADDLE CREEK	Sullivan	4.44	Alteration in stream-side or littoral vegetative cover NA Escherichia coli L	Pasture Grazing	Category 4a. EPA approved a habitat alteration TMDL for the known pollutants on 8/16/06.
TN06010102 012_0300	UNNAMED TRIB TO SOUTH FORK HOLSTON RIVER	Sullivan	3.89	Alteration in stream-side or littoral vegetative cover NA Loss of biological integrity due to siltation NA Escherichia coli NA	Pasture Grazing	Category 4a. EPA approved a siltation/habitat alteration and pathogen TMDLs for the known pollutants on 8/16/06 and 9/25/06.
TN06010102 012_0400	MORRELL CREEK	Sullivan	4.89	Escherichia coli NA	Pasture Grazing	Category 4a. EPA approved pathogen TMDL for the known pollutant on 9/25/06.

**2016 303(d) LIST (South Fork Holston River Basin continued)**

<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 012_0700	DRY CREEK	Sullivan	1.01	Escherichia coli NA	Animal Feeding Operations (NPS)	Category 4a. EPA approved a pathogen TMDL for the known pollutants on 9/25/06.
TN06010102 012_0810	BIG ARM BRANCH	Sullivan	5.77	Alteration in stream-side or littoral vegetative cover NA Loss of biological integrity due to siltation NA Escherichia coli H	Discharges from MS4 area Septic Tanks	Category 5. (One or more uses impaired.) TMDL needed. EPA approved a siltation/habitat alteration and pathogen TMDLs for the known pollutants on 8/16/06 and 9/25/06.
TN06010102 012_0820	BOOHER CREEK (Previously called Booher Branch)	Sullivan	2.0	Escherichia coli H	Pasture Grazing	Category 5. (One or more uses impaired.) TMDL needed.
TN06010102 012_0830	WOODS BRANCH	Sullivan	3.05	Alteration in stream-side or littoral vegetative cover L Loss of biological integrity due to siltation L Escherichia coli NA	Discharges from MS4 Area Pasture Grazing	Category 5. (One or more uses impaired.) TMDLs needed. EPA approved siltation/habitat alteration and pathogen TMDLs for one of the known pollutants on 8/16/2006 and 9/25/06. (This segment was identified as _0820 in TMDL.)
TN06010102 012_0900	WEAVER BRANCH	Sullivan	5.9	Nitrate+Nitrite Alteration in stream-side or littoral vegetative cover L Escherichia coli NA	Pasture Grazing	Category 5. (One or more uses impaired.) TMDLs needed. EPA approved a pathogen TMDL for the known pollutants on 9/25/06.
TN06010102 012_1000	SOUTH FORK HOLSTON RIVER	Sullivan	12.9	Flow alterations NA Temperature Alterations L	Upstream Impoundment	Category 5. (One or more uses impaired.) TMDL needed. Flow alteration is 4c (Impairment not caused by a pollutant). River is impacted by discharges from South Holston Reservoir.
TN06010102 014_1000	SOUTH FORK HOLSTON RIVER	Sullivan	4.4	Flow alterations NA Temperature Alterations L	Upstream Impoundment	Category 5. (One or more uses impaired.) TMDL needed. Flow alteration is 4c (Impairment not caused by a pollutant). River is impacted by discharges from South Holston Reservoir.
TN06010102 015_1000	SOUTH HOLSTON RESERVOIR	Sullivan	7577 ac	Mercury L	Atmospheric Deposition	<a href="#">Fishing advisory</a> due to mercury. Category 5. (One or more uses impaired.) TMDL needed.

**2016 303(d) LIST (South Fork Holston River Basin continued)**

<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 0231.0-2000	BEAVERDAM CREEK	Johnson	6.5	Physical Substrate Habitat Alteration Escherichia coli L H	Pasture Grazing Nonirrigated Crop Production	Category 5. (One or more uses impaired.) TMDLs needed.
TN06010102 0250_0800	CORUM BRANCH	Johnson	1.96	Alteration in stream-side or littoral vegetative cover Loss of biological integrity due to siltation L L	Pasture Grazing	Category 5. (One or more uses impaired.) TMDLs needed.
TN06010102 0250_0900	FLATWOOD BRANCH	Johnson	2.07	Alteration in stream-side or littoral vegetative cover Loss of biological integrity due to siltation L L	Pasture Grazing	Category 5. (One or more uses impaired.) TMDLs needed.
TN06010102 0250_1200	SHINGLETOWN BRANCH	Johnson	3.94	Loss of biological integrity due to siltation Escherichia coli Alteration in stream-side or littoral vegetative cover L H L	Pasture Grazing	Category 5. (One or more uses impaired.) TMDLs needed.
TN06010102 0250_1400	WATERS BRANCH	Johnson	1.83	Loss of biological integrity due to siltation L	Pasture Grazing	Category 5. (One or more uses impaired.) TMDLs needed.
TN06010102 0250_2000	LAUREL CREEK	Johnson	3.8	Escherichia coli NA	Pasture Grazing	Category 4a. EPA approved a pathogen TMDL for the known pollutant on 9/25/06.
TN06010102 041__0150	SINKING CREEK	Sullivan	3.7	Loss of biological integrity due to siltation L	Discharges from MS4 area	Category 5. (One or more uses impaired.) TMDL needed. Downstream Paperville Creek is fully supporting. Upstream Sinking Creek is impaired. Reindexed.
TN06010102 042_0200	BACK CREEK	Sullivan	14.1	Nitrate+Nitrite Loss of biological integrity due to siltation Physical Substrate Habitat Alterations Escherichia coli L NA NA NA	Discharges from MS4 area Pasture Grazing Unrestricted Cattle Access Channelization	Category 5. (One or more uses impaired.) TMDL needed. EPA approved siltation/habitat alteration and pathogen TMDLs for some of the known pollutants on 8/16/06 and 9/25/06.
TN06010102 042_0400	LITTLE CREEK	Sullivan	0.3	Total Phosphorus Alteration in stream-side or littoral vegetative cover Loss of biological integrity due to siltation Physical Substrate Habitat Alterations Escherichia coli L L L L H	Discharges from MS4 area Channelization Sources Outside State Borders	Category 5. (One or more uses impaired.) TMDLs needed. EPA approved a siltation/habitat alteration TMDL for some of the known pollutants on 9/25/06.

2016 303(d) LIST (South Fork Holston River Basin continued)

Waterbody ID	Impacted Waterbody	County	Miles/Acres Impaired	CAUSE / TMDL Priority	Pollutant Source	COMMENTS
TN06010102 042_0500	CEDAR CREEK	Sullivan	11.8	Escherichia coli NA	Discharges from MS4 Area	Category 4a. EPA approved pathogen TMDL for some of the known pollutants on 9/25/06.
TN06010102 042_1000	BEAVER CREEK	Sullivan	11.1	Nitrate+Nitrite Escherichia coli L NA	Discharges from MS4 Area Pasture Grazing	<a href="#">Water contact advisory.</a> Category 5. (One or more uses impaired.) TMDL needed. EPA approved a pathogen TMDL for some of the known pollutants on 9/25/06.
TN06010102 042_2000	BEAVER CREEK	Sullivan	10.5	Alteration in stream-side or littoral vegetative cover NA Nitrate+Nitrite L Loss of biological integrity due to siltation NA Escherichia coli NA	Channelization Pasture Grazing Discharges from MS4 Area Sources Outside State Borders	<a href="#">Water contact advisory.</a> Category 5. (One or more uses impaired.) TMDL needed. EPA approved siltation/habitat alteration and pathogen TMDLs for some of the known pollutants on 8/16/06 and 9/25/06.
TN06010102 045_1000	FALL CREEK	Sullivan	6.25	Escherichia coli H	Discharges from MS4 area	Category 5. (One or more uses impaired.) TMDL needed.
TN06010102 045_2000	FALL CREEK	Sullivan	15.72	Escherichia coli H	Discharges from MS4 Area	Category 5. One or more uses impaired.) TMDL needed.
TN06010102 046_0100	TRANBARGER BRANCH	Sullivan	1.4	Other Anthropogenic Habitat Alterations NA Escherichia coli H	Discharges from MS4 Area	Category 5. One or more uses impaired.) TMDL needed. EPA approved a habitat alteration TMDL for the known pollutant on 8/16/06.
TN06010102 046_0200	GRAVELLY CREEK	Sullivan	4.9	Alterations in stream-side or littoral vegetative cover L Nitrate+Nitrite L	Discharges from MS4 Area	Category 5. (One or more uses impaired.) TMDLs needed.
TN06010102 046_0400	MILLER BRANCH	Sullivan	2.15	Loss of biological integrity due to siltation L Escherichia coli H	Discharges from MS4 Area	Category 5. (One or more uses impaired.) TMDLs needed.
TN06010102 046_0500	UNNAMED TRIB TO REEDY CREEK	Sullivan	1.8	Physical substrate habitat alterations L Loss of biological integrity due to siltation L Other Anthropogenic Habitat Alterations L Escherichia coli H	Discharges from MS4 Area	Category 5. (One or more uses impaired.) TMDLs needed.

**2016 303(d) LIST (South Fork Holston River Basin continued)**

<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 046_0600	UNNAMED TRIB TO REEDY CREEK	Sullivan	3.88	Alterations in stream-side or littoral vegetative cover L Loss of biological integrity due to siltation L Escherichia coli H	Discharges from MS4 Area	Category 5. (One or more uses impaired.) TMDLs needed.
TN06010102 046_0700	CLARK BRANCH	Sullivan	3.75	Loss of biological integrity due to siltation L Escherichia coli H	Discharges from MS4 Area	Category 5. (One or more uses impaired.) TMDLs needed.
TN06010102 046_0800	GAINES BRANCH	Sullivan	2.7	Alterations in stream-side or littoral vegetative cover L Loss of biological integrity due to siltation L Escherichia coli H	Discharges from MS4 Area Pasture Grazing Specialty Crop Production	Category 5. (One or more uses impaired.) TMDLs needed.
TN06010102 046_0900	TIMBERTREE BRANCH	Sullivan	1.92	Escherichia coli H	Pasture Grazing	Category 5. (One or more uses impaired.) TMDL needed.
TN06010102 046_1000	REEDY CREEK	Sullivan	5.42	Loss of biological integrity due to siltation NA Other Anthropogenic Habitat Alterations NA Escherichia coli H	Discharges from MS4 Area	Category 5. (One or more uses impaired.) TMDL needed. EPA approved a siltation/habitat alteration TMDL for the known pollutants on 8/16/06.
TN06010102 046_1200	UNNAMED TRIB TO REEDY CREEK	Sullivan	1.74	Flow Alterations NA	Upstream Impoundment	Category 4c. (Impairment not caused by a pollutant.)
TN06010102 046_2000	REEDY CREEK	Sullivan	7.99	Escherichia coli H	Pasture Grazing Discharges from MS4 Area	Category 5. (One or more uses impaired.) TMDL needed.
TN06010102 046_3000	REEDY CREEK	Sullivan	6.0	Alterations in stream-side or littoral vegetative cover NA Escherichia coli H	Pasture Grazing	Category 5. (One or more uses impaired.) TMDL needed.
TN06010102 047_0100	FORD CREEK	Washington	5.5	Loss of biological integrity due to siltation L Escherichia coli H	Pasture Grazing Discharges from MS4 Area	Category 5. (One or more uses impaired.) TMDLs needed.
TN06010102 047_0200	RED RIVER	Washington	6.6	Escherichia coli H	Pasture Grazing	Category 5. (One or more uses impaired.) TMDL needed.
TN06010102 057_0100	KENDRICK CREEK UNNAMED TRIBUTARY	Washington	7	Escherichia coli H	Pasture Grazing	Category 5. (One or more uses impaired.) TMDL needed.
TN06010102 057_1000	KENDRICK CREEK	Sullivan Washington	4.8	Alterations in stream-side or littoral vegetative cover L Escherichia coli H	Discharges from MS4 Area Pasture Grazing	Category 5. (One or more uses impaired.) TMDLs needed.

**2016 303(d) LIST (South Fork Holston River Basin continued)**

Waterbody ID	Impacted Waterbody	County	Miles/Acres Impaired	CAUSE / TMDL Priority	Pollutant Source	COMMENTS
TN06010102 0540_0800	PAINT SPRING BRANCH	Sullivan	1.02	Alteration in stream-side or littoral vegetative cover NA Loss of biological integrity due to siltation NA Escherichia coli NA	Pasture Grazing	Category 4a. EPA approved a siltation/habitat alteration and pathogen TMDL for the known pollutants on 8/16/06 and 9/25/06. (Named Painter Spring Branch in TMDLs.)
TN06010102 237_0100	BOOHER CREEK	Sullivan	7.2	Escherichia coli H	Pasture Grazing	Category 5. (One or more uses impaired.) TMDL needed.
TN06010102 237_0110	ROBINSON CREEK	Sullivan	3.3	Alterations in stream-side or littoral vegetative cover L Escherichia coli H	Pasture Grazing	Category 5. (One or more uses impaired.) TMDLs needed.
TN06010102 237_1000	MUDDY CREEK	Sullivan	12.3	Escherichia coli H	Pasture Grazing	Category 5. (One or more uses impaired.) TMDL needed.
TN06010102 702_0100	POSSUM CREEK	Washington	3.9	Nitrate+Nitrite L Alterations in stream-side or littoral vegetative cover L Escherichia coli H	Discharges from MS4 Area Pasture Grazing	Category 5. (One or more uses impaired.) TMDLs needed.
TN06010102 702_1000	CEDAR CREEK	Washington	10.1	Nitrate+Nitrite L Loss of biological integrity due to siltation L Alterations in stream-side or littoral vegetative cover L Escherichia coli H	Discharges from MS4 Area Pasture Grazing	Category 5. (One or more uses impaired.) TMDLs needed.
TN06010102 729_1000	ROCK SPRINGS BRANCH	Sullivan	6.6	Alterations in stream-side or littoral vegetative cover L Escherichia coli H	Discharges from MS4 Area Pasture Grazing	Category 5. (One or more uses impaired.) TMDLs needed.

**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 001_1000	WATAUGA EMBAYMENT OF BOONE RESERVOIR	Washington Sullivan	2432 ac	PCBs L Chlordane L	Contaminated Sediment	<a href="#">Fishing advisory</a> due to PCBs. Category 5. (One or more uses impaired.) TMDLs needed.
TN06010103 001T_0100	DARR CREEK	Washington Sullivan	3.85	Loss of biological integrity due to siltation L Alteration in stream-side or littoral vegetative cover L Escherichia coli NA	Pasture Grazing	Category 5. (One or more uses impaired.) TMDLs needed. EPA approved a pathogen TMDL that addresses some of the known pollutants on 7/16/15.

**2016 303(d) LIST (Watauga River Watershed continued)**

<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 006_0100	CARROLL CREEK	Washington	4.3	Nitrate+Nitrite L Loss of biological integrity due to siltation NA Alteration in stream-side or littoral vegetative cover NA Escherichia coli NA	Discharges from MS4 area Pasture Grazing	Category 5. (One or more uses impaired.) TMDL needed. EPA approved a habitat/siltation and pathogen TMDLs that addresses some of the known pollutants on 3/17/06 and 7/16/15.
TN06010103 006_1000	BOONES CREEK	Washington	19.31	Nitrate+Nitrite L Loss of biological integrity due to siltation NA Alteration in stream-side or littoral vegetative cover NA Escherichia coli NA	Discharges from MS4 area Pasture Grazing Land Development	Category 5. (One or more uses impaired.) TMDLs needed. EPA approved habitat/siltation and pathogen TMDLs that address some of the known pollutants on 3/17/06 and 7/16/15.
TN06010103 008_0200	CAMPBELL BRANCH	Carter	3.0	Nitrate+Nitrite L Loss of biological integrity due to siltation NA Alteration in stream-side or littoral vegetative cover NA	Discharges from MS4 area	Category 5. (One or more uses impaired.) TMDLs needed. EPA approved habitat/siltation TMDLs that address some of the known pollutants on 3/17/06. <b>TMDL Vision Priority Watershed</b>
TN06010103 008_0400	DAVIS BRANCH	Carter	5.9	Flow Alteration NA Alteration in stream-side or littoral vegetative cover NA Escherichia coli NA	Discharges from MS4 area Upstream Impoundment Pasture Grazing	Category 4a. EPA approved a habitat/siltation and pathogen TMDLs that addresses the known pollutants on 3/17/06 and 7/16/15. Flow is 4c (Impairment not caused by pollutant.)
TN06010103 008_0800	GAP CREEK	Carter	15.93	Nitrate+Nitrite L Loss of biological integrity due to siltation NA Alteration in stream-side or littoral vegetative cover NA Escherichia coli H	Discharges from MS4 area Streambank Modification Septic Tanks Pasture Grazing	Category 5. (One or more uses impaired.) TMDLs needed. EPA approved a habitat/siltation and pathogen TMDLs that addresses some of the known pollutants on 3/17/06 and 7/16/15.
TN06010103 008_1000	WATAUGA RIVER	Washington Carter	7.93	Undetermined Cause L	Discharges from MS4 area Upstream Impoundment	Category 5. (One or more uses impaired.) TMDL needed.
TN06010103 008_2000	WATAUGA RIVER	Washington Carter	9.3	Undetermined Cause L	Discharges from MS4 area Upstream Impoundment	Category 5. (One or more uses impaired.) TMDL needed.
TN06010103 008_3000	WATAUGA RIVER	Carter	4.4	Temperature Alterations L	Upstream Impoundment	Category 5. (One or more uses impaired.) TMDL needed.

**2016 303(d) LIST (Watauga River Watershed continued)**

<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 009_1000	BRUSH CREEK	Washington	20.3	Nitrate+Nitrite Loss of biological integrity due to siltation Other Anthropogenic Habitat Alterations Escherichia coli	L NA NA NA	Discharges from MS4 area  Category 5. (One or more uses impaired.) TMDL needed. EPA approved a habitat/siltation and pathogen TMDLs that addresses some of the known pollutants on 3/17/06 and 7/16/15.
TN06010103 011_0100	POWDER BRANCH	Carter	6.2	Nitrate+Nitrite Loss of biological integrity due to siltation Alteration in stream-side or littoral vegetative cover Escherichia coli	L L L NA	Pasture Grazing  Category 5. (One or more uses impaired.) TMDLs needed. EPA approved a pathogen TMDL that addresses some of the known pollutants on 7/16/15.
TN06010103 011_0200	TOLL BRANCH	Carter	6.5	Escherichia coli	NA	Pasture Grazing  Category 4a. EPA approved a pathogen TMDL that addresses the known pollutants on 7/16/15.
TN06010103 011_1000	BUFFALO CREEK	Carter Unicoi	6.08	Escherichia coli	NA	Pasture Grazing  Category 4a. EPA approved a pathogen TMDL that addresses the known pollutants on 7/16/15.
TN06010103 013_0600	ROARING CREEK	Carter	11.9	Iron	L	Upstream Impoundment  Category 5. (One or more uses impaired.) TMDL needed.
TN06010103 013_0811	GOUGE BRANCH	Carter	1.36	Loss of biological integrity due to siltation	L	Land Development Pasture Grazing  Category 5. (One or more uses impaired.) TMDL needed.
TN06010103 020_1000	WATAUGA LAKE	Carter Johnson	6427 ac	Mercury	L	Atmospheric Deposition  <a href="#">Fishing advisory</a> due to mercury. Category 5. (One or more uses impaired.) TMDL needed.
TN06010103 020T_0200	SINK BRANCH	Johnson	3.14	Nitrate+Nitrite Alteration in stream-side or littoral vegetative cover Escherichia coli	L NA NA	Pasture Grazing  Category 5. (One or more uses impaired.) TMDL needed. EPA approved habitat alteration and pathogen TMDLs that address some of the known pollutants on 3/17/06 and 7/16/15.

2016 303(d) LIST (Watauga River Watershed continued)

Waterbody ID	Impacted Waterbody	County	Miles/Acres Impaired	CAUSE / TMDL Priority	Pollutant Source	COMMENTS	
TN06010103 034_0300	TOWN CREEK	Johnson	3.0	Nitrate+Nitrite Alteration in stream-side or littoral vegetative cover Escherichia coli	L NA NA	Land Development Urbanized High Density Area Pasture Grazing Collection System Failure Municipal Point Source	Category 5. (One or more uses impaired.) TMDL needed. EPA has approved habitat alteration and pathogen TMDLs that addresses some of the known pollutants on 3/17/06 and 7/16/15.
TN06010103 034_0311	CROOKED BRANCH	Johnson	6.6	Alteration in stream-side or littoral vegetative cover	L	Land Development Pasture Grazing	Category 5. (One or more uses impaired.) TMDL needed.
TN06010103 034_0320	FURNACE CREEK	Johnson	15.51	Alteration in stream-side or littoral vegetative cover Loss of biological integrity due to siltation	L NA	Off-Road Vehicles	Category 5. (One or more uses impaired.) TMDLs needed. EPA approved a siltation TMDL that addresses some of the known pollutants on 3/17/06.
TN06010103 034_0400	FORGE CREEK	Johnson	33.7	Alteration in stream-side or littoral vegetative cover Loss of biological integrity due to siltation	L L	Pasture Grazing Off-Road Vehicles	Category 5. (One or more uses impaired.) TMDLs needed.
TN06010103 034_1000	ROAN CREEK	Johnson	6.8	Nitrate+Nitrite Loss of biological integrity due to siltation	L NA	Municipal Point Source Pasture Grazing Nonirrigated Crop Production	Category 5. (One or more uses impaired.) TMDL needed. EPA approved a siltation TMDL that addresses some of the known pollutants on 3/17/06. <b>TMDL Vision Priority Watershed</b>
TN06010103 034_2000	ROAN CREEK	Johnson	6.0	Nitrate+Nitrite Loss of biological integrity due to siltation Escherichia coli	L NA NA	Municipal Point Source Pasture Grazing	Category 5. (One or more uses impaired.) TMDL needed. EPA approved siltation and pathogen TMDLs that address some of the known pollutants on 3/17/06 and 7/16/15. <b>TMDL Vision Priority Watershed</b>
TN06010103 046_0100	CATBIRD CREEK	Washington Carter	5.7	Loss of biological integrity due to siltation	L	Discharges from MS4 area	Category 5. (One or more uses impaired.) TMDL needed.
TN06010103 046_1000	SINKING CREEK	Washington Carter	10.0	Escherichia coli	NA	Discharges from MS4 area Pasture Grazing	<a href="#">Water contact advisory.</a> Category 4a. EPA approved a pathogen TMDL that addresses the known pollutant on 7/16/15.

**2016 303(d) LIST (Watauga River Watershed continued)**

Waterbody ID	Impacted Waterbody	County	Miles/Acres Impaired	CAUSE / TMDL Priority	Pollutant Source	COMMENTS
TN06010103 061_1000	REEDY CREEK	Washington	10.7	Escherichia coli NA	Discharges from MS4 area Pasture Grazing	Category 4a. EPA approved a habitat/siltation and pathogen TMDLS that address some of the known pollutants on 3/17/06 and 7/16/15.
TN06010103 635_0100	CASH HOLLOW CREEK	Washington	3.48	Alteration in stream-side or littoral vegetative cover NA Escherichia coli NA	Discharges from MS4 area	<a href="#">Water contact advisory</a> . Category 4a. EPA approved habitat alteration and pathogen TMDLS that address the known pollutant on 3/17/06 and 7/16/15.
TN06010103 635_0200	COBB CREEK	Washington	4.5	Alteration in stream-side or littoral vegetative cover NA Loss of biological integrity due to siltation NA Escherichia coli NA	Discharges from MS4 area	Category 4a. EPA approved a habitat alteration/siltation and pathogen TMDLS that address the known pollutants on 3/17/16 and 7/16/15.
TN06010103 635_1000	KNOB CREEK	Washington	12.3	Alteration in stream-side or littoral vegetative cover NA Nitrate+Nitrite L Loss of biological integrity due to siltation NA Escherichia coli NA	Discharges from MS4 area Pasture Grazing	Category 5. . (One or more uses impaired.) TMDL needed. EPA approved habitat alteration /siltation and pathogen TMDLS that address some of the known pollutants on 3/17/06 and 7/16/15.

**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	Nitrate+Nitrite L Loss of biological integrity due to siltation L Other Anthropogenic Habitat Alterations L Escherichia coli H	Discharges from MS4 area	Category 5. (One or more uses impaired.) TMDLS needed.
TN06010104 001_0500	ROSEBERRY CREEK	Knox	20.0	Escherichia coli NA	Pasture Grazing Septic Tanks	Category 4a. EPA approved a pathogen TMDL that addresses the known pollutant on 9/30/08.

**2016 303(d) LIST (Holston River Watershed continued)**

<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 001_0800	LOST CREEK	Jefferson	26.8	Nitrate+Nitrite Loss of biological integrity due to siltation Escherichia coli L L NA	Pasture Grazing Septic Tanks	Category 5. (One or more uses impaired.) TMDLs needed. EPA approved a pathogen TMDL that addresses some of the known pollutants on 9/30/08.
TN06010104 001_0900	BEAVER CREEK	Jefferson	21.0	Alteration in stream-side or littoral vegetative cover Escherichia coli L NA	Pasture Grazing	Category 5. (One or more uses impaired.) TMDLs needed. EPA approved a pathogen TMDL that addresses the known pollutant on 9/30/08.
TN06010104 001_1400	SWANPOND CREEK	Knox	16.3	Loss of biological integrity due to siltation Alteration in stream-side or littoral vegetative cover Escherichia coli L L NA	Channelization Discharges from MS4 Area	Category 5. (One or more uses impaired.) TMDLs needed. EPA approved a pathogen TMDL that addresses some of the known pollutants on 9/30/08.
TN06010104 001_2000	HOLSTON RIVER	Grainger Jefferson	26.9	Low DO Flow alteration L NA	Upstream Impoundment	Category 5. (One or more uses impaired.) TMDL needed. Flow alteration is 4c (Impairment not caused by a pollutant). Below Cherokee Reservoir. Habitat for federally listed pink mucket pearly mussel ( <i>Lampsilis abrupta</i> ).
TN06010104 004_2000	CHEROKEE RESERVOIR (UPPER)	Hawkins Hamblen	2,816 ac	Mercury L	Atmospheric Deposition Sources Outside the State	Category 5. (One or more uses impaired.) TMDL needed.
TN06010104 004T_0600	UNNAMED TRIB TO RED HOUSE BR. EMBAYMENT	Hawkins	1.5	Loss of biological integrity due to siltation L	Sand/Gravel/Rock Quarry	Category 5. (One or more uses impaired.) TMDL needed.
TN06010104 004T_0800	STONE MOUNTAIN BRANCH	Hawkins	2.11	Loss of biological integrity due to siltation Escherichia coli L H	Pasture Grazing Undetermined Source	Category 5. (One or more uses impaired.) TMDLs needed.
TN06010104 004T_0900	RENFROE CREEK	Hawkins	6.9	Escherichia coli H	Pasture Grazing	Category 5. (One or more uses impaired.) TMDL needed.
TN06010104 004T_1100	STOCK CREEK	Hawkins	4.2	Alteration in stream-side or littoral vegetative cover L	Pasture Grazing	Category 5. (One or more uses impaired.) TMDL needed.

2016 303(d) LIST (Holston River Watershed continued)

Waterbody ID	Impacted Waterbody	County	Miles/Acres Impaired	CAUSE / TMDL Priority	Pollutant Source	COMMENTS
TN06010104 004T_1250	CANEY CREEK	Hawkins	16.8	Alteration in stream-side or littoral vegetative cover L Loss of biological integrity due to siltation L Escherichia coli NA	Pasture Grazing	Category 5. (One or more uses impaired.) TMDLs needed. EPA approved a pathogen TMDL that addresses the known pollutant on 9/30/08. (This segment was identified as _1150 in TMDL.)
TN06010104 004T_1300	CROCKETT CREEK	Hawkins	5.3	Alteration in stream-side or littoral vegetative cover L Loss of biological integrity due to siltation L Escherichia coli NA	Discharges from MS4 area	Category 5. EPA approved a pathogen TMDLs that addresses some of the known pollutants on 9/30/08. (This segment was identified as _1200 in TMDL.)
TN06010104 004T_1510	THREE FORKS BRANCH	Hawkins	1.96	Alteration in stream-side or littoral vegetative cover L Escherichia coli H	Pasture Grazing	Category 5. (One or more uses impaired.) TMDLs needed.
TN06010104 004T_1610	WALKER BRANCH	Hawkins	1.53	Escherichia coli H	Pasture Grazing	Category 5. (One or more uses impaired.) TMDLs needed.
TN06010104 004T_1700	WAR CREEK	Hawkins	3.0	Escherichia coli H	Pasture Grazing	Category 5. (One or more uses impaired.) TMDLs needed.
TN06010104 004T_1800	UNNAMED TRIB TO HOLSTON RIVER	Hawkins	1.61	Escherichia coli H	Pasture Grazing	Category 5. (One or more uses impaired.) TMDL needed.
TN06010104 004T_1900	FALL CREEK	Hamblen	8.07	Nitrate+Nitrite L Total Phosphorus L Alteration in stream-side or littoral vegetative cover L Loss of biological integrity due to siltation L Escherichia coli H	Pasture Grazing	Category 5. (One or more uses impaired.) TMDLs needed.
TN06010104 004T_2300	TURKEY CREEK	Hamblen	7.93	Loss of biological integrity due to siltation L Alteration in stream-side or littoral vegetative cover L Escherichia coli NA	Collection System Failure Discharges from MS4 area	<a href="#">Water contact advisory</a> due to pathogens. Category 5. (One or more uses impaired.) TMDLs needed. EPA approved a pathogen TMDL that addresses some of the known pollutants on 9/30/08. (This segment was identified as _2100 in TMDL.)

2016 303(d) LIST (Holston River Watershed continued)

Waterbody ID	Impacted Waterbody	County	Miles/Acres Impaired	CAUSE / TMDL Priority	Pollutant Source	COMMENTS
TN06010104 004T_2600	MOSSY CREEK	Jefferson	9.08	Loss of biological integrity due to siltation Escherichia coli L NA	Collection System Failure Discharges from MS4 area	Category 5. (One or more uses impaired.) TMDLs needed. EPA approved a pathogen TMDL that addresses some of the known pollutants on 9/30/08. (This segment was identified as _2400 in TMDL.)
TN06010104 009_1000	JOHN SEVIER DETENTION RESERVOIR	Hawkins	1,024 ac	Mercury L	Sources Outside the State Atmospheric Deposition	Category 5. (One or more uses impaired.) TMDL needed.
TN06010104 011_0100	SINKING CREEK	Hawkins	2.7	Alteration in stream-side or littoral vegetative cover Escherichia coli L NA	Pasture Grazing	Category 5. (One or more uses impaired.) TMDL needed. EPA approved a pathogen TMDL that addresses the known pollutant on 9/30/08.
TN06010104 011_0200	WASHBOARD CREEK	Hawkins	1.32	Escherichia coli H	Pasture Grazing	Category 5. (One or more uses impaired.) TMDL needed.
TN06010104 011_0300	FORGEY CREEK	Hawkins	3.6	Nitrate+Nitrite Alteration in stream-side or littoral vegetative cover Escherichia coli L L NA	Pasture Grazing	Category 5 (One or more uses impaired.) TMDLs needed. EPA approved a pathogen TMDL that addresses the known pollutant on 9/30/08. (This segment was identified as _0200 in TMDL.)
TN06010104 011_0400	SURGOINSVILLE CREEK	Hawkins	7.0	Escherichia coli NA	Pasture Grazing Septic Tanks	Category 4a. EPA approved a pathogen TMDL that addresses the known pollutant on 9/30/08. (This segment was identified as _0300 in TMDL.)
TN06010104 011_0500	STONE POINT CREEK	Hawkins	13.1	Alteration in stream-side or littoral vegetative cover Escherichia coli L NA	Pasture Grazing	Category 5 (One or more uses impaired.) TMDL needed. EPA approved a pathogen TMDL that addresses the known pollutant on 9/30/08. (This segment was identified as _0400 in TMDL.)
TN06010104 011_0600	BRADLEY CREEK	Hawkins	9.2	Escherichia coli NA	Unrestricted Cattle Access	Category 4a. EPA approved a pathogen TMDL that addresses the known pollutant on 9/30/08. (This segment was identified as _0500 in TMDL.)

2016 303(d) LIST (Holston River Watershed continued)

Waterbody ID	Impacted Waterbody	County	Miles/Acres Impaired	CAUSE / TMDL Priority	Pollutant Source	COMMENTS
TN06010104 011_0610	RENFROE CREEK	Hawkins	12.5	Escherichia coli NA	Pasture Grazing	Category 4a. EPA approved a pathogen TMDL that addresses the known pollutant on 9/30/08. (This segment was identified as _0610 in TMDL.)
TN06010104 011_0800	HORD CREEK	Hawkins	8.9	Escherichia coli NA	Pasture Grazing	Category 4a. EPA approved a pathogen TMDL that addresses the known pollutant on 9/30/08. (This segment was identified as _0700 in TMDL.)
TN06010104 011_0900	ALEXANDER CREEK	Hawkins	1.0	Nitrate+Nitrite Escherichia coli L NA	Discharges from MS4 area	Category 5. (One or more uses impaired.) TMDL needed. EPA approved a pathogen TMDL that addresses some of the known pollutants on 9/30/08. (This segment was identified as _0800 in TMDL.)
TN06010104 011_0950	ALEXANDER CREEK	Hawkins	12.5	Escherichia coli NA	Discharges from MS4 area Pasture Grazing	Category 4a. EPA approved a pathogen TMDL that addresses the known pollutant. (This segment was identified as _0850 in TMDL.)
TN06010104 011_1000	HOLSTON RIVER	Hawkins	14.6	Mercury L	Sources Outside the State Atmospheric Deposition	Category 5. (One or more uses impaired.) TMDL needed
TN06010104 011_1100	SMITH CREEK	Hawkins	4.6	Escherichia coli NA	Discharges from MS4 area Pasture Grazing	Category 4a. EPA approved a pathogen TMDL that addresses the known pollutant on 9/30/08. (This segment was identified as _0900 in TMDL.)
TN06010104 011_1300	ARNOTT BRANCH	Hawkins	2.8	Loss of biological integrity due to siltation L	Discharges from MS4 area	Category 5. (One or more uses impaired.) TMDL needed.
TN06010104 011_1400	SLATE BRANCH	Hawkins	1.79	Alteration in stream-side or littoral vegetative cover Escherichia coli L H	Discharges from MS4 area	Category 5 (One or more uses impaired.) TMDLs needed.
TN06010104 011_1900	HUNT CREEK	Hawkins	7.7	Escherichia coli NA	Unrestricted Cattle Access	Category 4a. EPA approved a pathogen TMDL that addresses the known pollutant on 9/30/08. (This segment was identified as _1600 in TMDL.)
TN06010104 011_2000	HOLSTON RIVER	Hawkins	23.9	Mercury L	Sources Outside the State Atmospheric Deposition	Category 5. (One or more uses impaired.) TMDL needed.
TN06010104 015_0500	CANEY CREEK	Hawkins	10.7	Escherichia coli H	Pasture Grazing	Category 5. (One or more uses impaired.) TMDL needed.

**2016 303(d) LIST (Holston River Watershed continued)**

<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 015_0600	STANLEY CREEK	Hawkins	7.7	Escherichia coli H	Pasture Grazing	Category 5. (One or more uses impaired.) TMDL needed. EPA approved a pathogen TMDL that addresses the known pollutant on 9/30/08. (This segment was identified as _0300 in TMDL.)
TN06010104 015_0700	UNNAMED TRIB TO BIG CREEK	Hawkins	2.28	Escherichia coli H	Pasture Grazing	Category 5. (One or more uses impaired.) TMDL needed.
TN06010104 018_1000	RICHLAND CREEK	Grainger	26.7	Escherichia coli NA	Pasture Grazing	Category 4a. EPA approved a pathogen TMDL that addresses the known pollutant on 9/30/08. .
TN06010104 019_0100	LITTLE FLAT CREEK	Knox	30.3	Escherichia coli NA	Animal Feeding Operations (NPS)	Category 4a. EPA approved a pathogen TMDL that addresses the known pollutant.
TN06010104 019_1000	FLAT CREEK	Union Knox	16.3	Total Phosphorus L Escherichia coli H	Municipal Point Source Pasture Grazing	Category 5. (One or more uses impaired.) TMDLs needed.
TN06010104 019_2000	FLAT CREEK	Union Knox	2.8	Escherichia coli NA	Pasture Grazing Collection System Failure	Category 4a. EPA approved a pathogen TMDL that addresses the known pollutant on 9/30/08.

**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	Nitrate+Nitrite L Escherichia coli NA	Municipal Point Source Pasture Grazing	Category 5. (One or more uses impaired.). TMDL needed. EPA approved a pathogen TMDL that addresses some of the known pollutants on 8/26/09.
TN06010105 001_0200	LONG CREEK	Cocke	19.6	Escherichia coli NA	Pasture Grazing	Category 4a. EPA approved a pathogen TMDL that addresses the known pollutant 8/26/09.
TN06010105 001_1000	FRENCH BROAD RIVER	Cocke	4.08	Mercury L	Atmospheric Deposition	<a href="#">Fishing advisory</a> due to mercury in largemouth bass. Category 5. (One or more uses impaired.). TMDL needed.

**2016 303(d) LIST (Upper French Broad River Basin continued)**

<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 003_1100	JOHNS CREEK	Cocke	1.45	Escherichia coli NA	Septic Tanks	Category 4a. EPA approved a pathogen TMDL that addresses the known pollutant on 8/26/09.
TN06010105 003_1110	BAKER CREEK	Cocke	4.4	Escherichia coli NA	Septic Tanks	Category 4a. EPA approved a pathogen TMDL that addresses the known pollutant on 8/26/09.
TN06010106 001_1000	PIGEON RIVER-	Cocke	15.44	Unknown Toxicity L	Irrigated Crop Production	Category 5. (One or more uses impaired.) TMDL needed.
TN06010106 001_1100	ENGLISH CREEK	Cocke	15.3	Loss of biological integrity due to siltation Escherichia coli L L	Pasture Grazing	Category 5. (One or more uses impaired.) TMDLs needed
TN06010106 001_3000	PIGEON RIVER-	Cocke	5.1	Flow Alteration NA	Upstream Impoundment	Category 4c. (Impairment not caused by pollutant.)
TN06010106 001_4000	PIGEON RIVER-	Cocke	5.03	Color Flow Alteration Temperature Alteration L NA L	Major Industrial Point Source Source in Other State Upstream Impoundment	Category 5. (One or more uses impaired.) TMDLs needed. Flow alteration is 4c (Impairment not caused by a pollutant.)
TN06010106 002_0100	UNNAMED TRIB TO SINKING CREEK	Cocke	3.12	Flow Alterations Temperature Alterations NA L	Upstream Impoundment	Category 5. (One or more uses impaired.) TMDL needed. Flow alteration is 4c. (Impairment not caused by a pollutant.) Randomly selected for Impounded Streams Study.
TN06010106 002_1000	SINKING CREEK	Cocke	4.8	Loss of biological integrity due to siltation Escherichia coli L L	Urbanized High Density Area	Category 5. (One or more uses impaired.) TMDLs needed.
TN06010106 004_0500	ROCK CREEK	Cocke	2.80	Low pH NA	Undetermined Source	Category 4a. EPA approved a pH TMDL which addresses the known pollutant on 9/7/10
TN06010106 004_0610	INADU CREEK	Cocke	2.66	Low pH NA	Undetermined Source	Category 4a. EPA approved a pH TMDL which addresses the known pollutant on 9/7/10.
TN06010106 004_0810	OTTER CREEK	Cocke	1.52	Low pH NA	Undetermined Source	Category 4a. EPA approved a pH TMDL which addresses the known pollutant on 9/7/10.
TN06010106 004_0820	COPPERHEAD BRANCH	Cocke	1.13	Low pH NA	Undetermined Source	Category 4a. EPA approved a pH TMDL which addresses the known pollutant on 9/7/10.

**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_0120	HAPPY CREEK	Sevier	17.2	Loss of biological integrity due to siltation Alteration in stream-side or littoral vegetation	L L Pasture Grazing	Category 5. (One or more uses impaired.) TMDLs needed.
TN06010107 003_1000	BOYDS CREEK	Sevier	15.4	Escherichia coli	NA Pasture Grazing	Category 4a. EPA has approved a pathogen TMDL that addresses the known pollutants on 12/20/05
TN06010107 006_2000	FRENCH BROAD RIVER	Sevier	4.9	Low Dissolved Oxygen Temperature Alterations Flow Alteration	L L NA Upstream Impoundment	Category 5 (One or more uses impaired.) TMDLs needed. Flow alteration is 4c (impact not caused by a pollutant). Habitat for the federally listed fish, the snail darter ( <i>Percina tanasi</i> ).
TN06010107 007_0700	BUCK FORK	Sevier	3.8	Low pH	NA Undetermined Source	Category 4a. EPA approved a pH TMDL which addresses the known pollutant on 9/7/10.
TN06010107 007_0900	EAGLE ROCKS PRONG	Sevier	6.4	Low pH	NA Atmospheric Deposition-Acidity	Category 4a. EPA approved a pH TMDL which addresses the known pollutant on 9/7/10.
TN06010107 007_1120	SHUTTS PRONG	Sevier	4.79	Low pH	NA Undetermined Source	Category 4a. EPA approved a pH TMDL which addresses the known pollutant on 9/7/10.
TN06010107 007_1130	LOWES CREEK	Sevier	2.22	Low pH	NA Atmospheric Deposition - Acidity	Category 4a. EPA approved a pH TMDL which addresses the known pollutant on 9/7/10.
TN06010107 007_1140	CANNON CREEK	Sevier	3.72	Low pH	NA Atmospheric Deposition - Acidity	Category 4a. EPA approved a pH TMDL which addresses the known pollutant on 9/7/10.
TN06010107 007_1600	MIDDLE CREEK	Sevier	16.7	Loss of biological integrity due to siltation Alteration in stream-side or littoral vegetative cover Escherichia coli	L L H Discharges from MS4 area Pasture Grazing	Category 5. (One or more uses impaired.) TMDLs needed.

**2016 303(d) LIST (Lower French Broad River continued)**

<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>
TN06010107 007_1650	MIDDLE CREEK	Sevier	3.3	Chlorine Escherichia coli L H	Discharges from MS4 area	Category 5. (One or more uses impaired.) TMDLs needed.
TN06010107 010_0300	BEECH BRANCH	Sevier	1.46	Escherichia coli NA	Septic Tanks	<a href="#">Water contact advisory.</a> Category 4a. EPA approved a pathogen TMDL that addresses the known pollutant on 12/20/05.
TN06010107 010_0400	DUDLEY CREEK	Sevier	5.7	Total Phosphorus Escherichia coli L NA	Discharges from MS4 area	<a href="#">Water contact advisory.</a> Category 5. (One or more uses impaired.) TMDL needed. EPA approved a pathogen TMDL that addresses the known pollutant on 12/20/05.
TN06010107 010_0600	BASKINS CREEK	Sevier	1.3	Escherichia coli NA	Discharges from MS4 area.	<a href="#">Water contact advisory.</a> Category 4a. EPA approved a pathogen TMDL that addresses the known pollutant on 12/20/05.
TN06010107 010_1000	WEST PRONG LITTLE PIGEON RIVER	Sevier	8.1	Escherichia coli Loss of biological integrity due to siltation Total Phosphorus NA NA L  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	<a href="#">Water contact advisory.</a> Category 5. (One or more uses impaired.) TMDL needed. EPA has approved siltation and pathogen TMDLs that address some of the known pollutants on 8/17/07 and 12/20/05.
TN06010107 010_1100	ROAD PRONG	Sevier	4.6	Low pH NA	Undetermined Source	Category 4a. EPA approved a pH TMDL which addresses the known pollutant on 9/7/10.
TN06010107 010_1800	MILL CREEK	Sevier	5.9	Escherichia coli NA	Collection System Failure Discharges from MS4 area	Category 4a. EPA approved a pathogen TMDL for the known pollutant on 12/20/05.
TN06010107 010_1900	WALDEN CREEK	Sevier	2.6	Alteration in stream-side or littoral vegetative cover Escherichia coli L NA	Discharges from MS4 area Septic Tanks	Category 5. (One or more uses impaired.) TMDL needed. EPA approved a pathogen TMDL for one of the known pollutants on 12/20/05.

**2016 303(d) LIST (Lower French Broad River continued)**

<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>
TN06010107 010_1920	COVE CREEK	Sevier	8.5	Escherichia coli H	Septic Tanks Pasture Grazing	Category 5. (One or more uses impaired.) TMDL needed. Stream randomly selected for the Wadeable Streams Study.
TN06010107 010_1950	WALDEN CREEK	Sevier	8.6	Loss of biological integrity due to siltation NA Alteration in stream-side or littoral vegetative cover NA	Pasture Grazing Land Development	Category 4a. EPA approved a siltation/habitat alteration TMDL for the known pollutants on 8/17/07.
TN06010107 010_1955	WALDEN CREEK	Sevier	8.5	Escherichia coli L	Pasture Grazing	Category 5. (One or more uses impaired.) TMDL needed.
TN06010107 010_2000	WEST PRONG LITTLE PIGEON RIVER	Sevier	5.7	Biological integrity loss due to undetermined cause L Escherichia coli NA Total Phosphorus L  This section is a trout stream and is considered threatened by low dissolved oxygen and elevated water temperatures.	Septic Tanks Collection System Failure Discharges from MS4 area Municipal Point Sources	<a href="#">Water contact advisory</a> due to pathogens. Category 5. (One or more uses impaired.) TMDLs needed. EPA approved a pathogen TMDL that addresses some of the known pollutants on 12/20/05.
TN06010107 010_3000	WEST PRONG LITTLE PIGEON RIVER	Sevier	5.4	Total Phosphorus L Escherichia coli NA  This section is a trout stream and is considered threatened by low dissolved oxygen and elevated water temperatures.	Municipal Point Sources Discharges from MS4 Area Septic Tanks Collection System Failure	<a href="#">Water contact advisory</a> . Category 5. (One or more uses impaired.) TMDL needed. EPA has approved a pathogen TMDL that addresses some of the known pollutants on 12/20/05.
TN06010107 010_4000	WEST PRONG LITTLE PIGEON RIVER	Sevier	1.3	Escherichia coli H	Discharges from MS4 Area	Category 5. (One or more uses impaired.) TMDL needed. Gatlinburg section.
TN06010107 025_0300	WILHITE CREEK	Sevier	4.23	Ammonia L Solids L	Municipal Point Source	Category 5. (One or more uses impaired.) TMDLs needed.
TN06010107 029T_0700	CLAY CREEK	Cocke	22.3	Alteration in stream-side or littoral vegetative cover L Escherichia coli H	Pasture Grazing	<a href="#">Water contact advisory</a> . Category 5. (One or more uses impaired.) TMDLs needed.

**2016 303(d) LIST (Lower French Broad River continued)**

<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>
TN06010107 029T_1200	CLEAR CREEK	Jefferson	3.3	Nitrate+Nitrite Escherichia coli L NA	Industrial Land Treatment Pasture Grazing	Category 5. (One or more uses impaired.) TMDL needed. EPA approved a pathogen TMDL that addresses one of the known pollutants on 12/20/05. (This segment was identified as _1100 in TMDL.)
TN06010107 029T_1250	CLEAR CREEK	Jefferson Cocke	13.6	Escherichia coli NA	Pasture Grazing	Category 4a. EPA approved a pathogen TMDL that addresses the known pollutant on 12/20/05. (This segment was identified as _1150 in TMDL.)
TN06010107 038_1000	DUMPLIN CREEK	Jefferson Sevier	19.1	Loss of biological integrity due to siltation Physical Substrate Habitat Alterations Escherichia coli NA NA H	Pasture Grazing Land Development Channelization	Category 5. (One or more uses impaired.) TMDL needed. EPA approved a siltation/habitat alteration TMDL for some of the known pollutants on 12/20/05.

**Nolichucky River**

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

<b>Waterbody ID</b>	<b>Impacted Waterbody</b>	<b>County</b>	<b>Miles/Acres Impaired</b>	<b>CAUSE / TMDL Priority</b>	<b>Pollutant Source</b>	<b>COMMENTS</b>
TN06010108 001_0100	FLAT CREEK	Hamblen	4.9	Escherichia coli NA	Pasture Grazing	Category 4a. EPA approved a pathogen TMDL for the known pollutant on 3/5/07.
TN06010108 001_1000	NOLICHUCKY RIVER	Hamblen Cocke	4.0	Loss of biological integrity due to siltation NA	Irrigated Crop Production	Category 4a. EPA approved a siltation TMDL for the known pollutant on 2/6/08.
TN06010108 001_2000	NOLICHUCKY RIVER	Hamblen Cocke	7.7	Loss of biological integrity due to siltation L	Irrigated Crop Production	Category 5. (One or more uses impaired.) TMDL needed.
TN06010108 001_3000	NOLICHUCKY RIVER	Greene Cocke	9.0	Loss of biological integrity due to siltation NA	Pasture Grazing Source in Other State	Category 4a. EPA approved a siltation/habitat TMDL for the known pollutant on 2/6/08. Provides habitat for the federally listed snail darter ( <i>Percina tanasi</i> ).
TN06010108 005_0310	PRIVET BRANCH	Greene	1.4	Loss of biological integrity due to siltation Alteration in stream-side or littoral vegetative cover NA NA	Pasture Grazing	Category 4a. EPA approved a siltation/habitat alteration pathogen TMDL for the known pollutant on 2/6/08.

2016 303(d) LIST (Nolichucky River Watershed continued)

Waterbody ID	Impacted Waterbody	County	Miles/Acres Impaired	CAUSE / TMDL Priority	Pollutant Source	COMMENTS
TN06010108 005_0500	GREGG BRANCH	Greene	2.7	Alteration in stream-side or littoral vegetative cover L Loss of biological integrity due to siltation NA Escherichia coli H	Pasture Grazing Unrestricted Cattle Access	Category 5. (One or more uses impaired) TMDLs needed. EPA approved a siltation/ habitat TMDL for some of the known pollutants on 2/6/08.
TN06010108 005_0710	SHELTON BRANCH	Greene	1.23	Loss of biological integrity due to siltation NA Alteration in stream-side or littoral vegetative cover NA	Pasture Grazing Channelization	Category 4a. EPA approved a siltation/habitat alteration TMDL for the known pollutants on 2/26/08.
TN06010108 007_0100	LITTLE MEADOW CREEK	Greene Cocke	16.91	Escherichia coli L	Unrestricted Cattle Access	Category 5. (One or more uses impaired.) TMDL needed.
TN06010108 007_1000	MEADOW CREEK	Greene Cocke	23.4	Escherichia coli NA	Unrestricted Cattle Access	Category 4a. EPA approved a pathogen TMDL for the known pollutant on 3/5/07.
TN06010108 009_0300	CEDAR CREEK	Greene	5.4	Loss of biological integrity due to siltation NA Alteration in stream-side or littoral vegetative cover NA	Pasture Grazing	Category 4a. EPA approved a siltation/habitat alteration TMDL for the known pollutant on 2/6/08.
TN06010108 010_0200	HOLLEY CREEK	Greene	8.5	Loss of biological integrity due to siltation NA	Land Development Discharges from MS4 area	Category 4a. EPA approved a siltation/ habitat TMDL for the known pollutant on 2/6/08.
TN06010108 010_0300	COLLEGE CREEK	Greene	9.3	Loss of biological integrity due to siltation NA Other Anthropogenic Habitat Alterations NA Alteration in stream-side or littoral vegetative cover NA	Pasture Grazing Land Development	Category 4a. EPA approved a siltation/habitat alteration TMDL for the known pollutants on 2/6/08.
TN06010108 010_0400	MOON CREEK	Greene	8.7	Alteration in stream-side or littoral vegetative cover NA Loss of biological integrity due to siltation NA	Pasture Grazing Land Development	Category 4a. EPA approved a siltation/habitat alteration TMDL for the known pollutants on 2/6/08.
TN06010108 010_0500	PUDDING CREEK	Greene	5.5	Loss of biological integrity due to siltation NA Alteration in stream-side or littoral vegetative cover NA	Pasture Grazing	Category 4a. EPA approved a siltation/habitat alteration TMDL for the known pollutants on 2/6/08.
TN06010108 010_0600	RIPLEY CREEK	Greene	8.5	Loss of biological integrity due to siltation L Alteration in stream-side or littoral vegetative cover L Escherichia coli H	Pasture Grazing	Category 5. (One or more uses impaired.)TMDLs needed.

**2016 303(d) LIST (Nolichucky River Watershed continued)**

<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_0900	SNAPP BRANCH	Washington	1.9	Loss of biological integrity due to siltation Alteration in stream-side or littoral vegetative cover NA NA	Pasture Grazing	Category 4a. EPA approved a siltation/habitat alteration TMDL for the known pollutants on 2/6/08.
TN06010108 010_1000	NOLICHUCKY RIVER	Greene	9.4	Loss of biological integrity due to siltation NA	Pasture Grazing Irrigated Crop Production Source in Other State	Category 4a. EPA approved a siltation/ habitat TMDL for the known pollutant on 2/6/08.
TN06010108 010_1200	KNAVE BRANCH	Washington	4.6	Loss of biological integrity due to siltation Alteration in stream-side or littoral vegetative cover NA NA	Pasture Grazing	Category 4a. EPA approved a siltation/habitat alteration TMDL for the known pollutants on 2/6/08.
TN06010108 010_1300	KEPLINGER CREEK	Washington	5.3	Loss of biological integrity due to siltation Alteration in stream-side or littoral vegetative cover NA NA	Pasture Grazing	Category 4a. EPA approved a siltation/habitat alteration TMDL for the known pollutants on 2/6/08.
TN06010108 010_1400	LEBANON BRANCH	Washington	1.9	Loss of biological integrity due to siltation Alteration in stream-side or littoral vegetative cover NA NA	Pasture Grazing	Category 4a. EPA approved a siltation/habitat alteration TMDL for the known pollutants on 2/6/08.
TN06010108 010_1910	SPRING CREEK	Unicoi	1.7	Other Anthropogenic Substrate Alterations Solids NA L	Discharges from MS4 area Aquaculture (permitted)	Category 5. (One or more uses impaired.) TMDL needed. A habitat alteration TMDL addresses some of the known pollutants on 2/6/08.
TN06010108 010_3000	NOLICHUCKY RIVER	Greene Washington	22.6	Loss of biological integrity due to siltation NA	Pasture Grazing Source in Other State	Category 4a. EPA approved a siltation TMDL for the known pollutant on 2/6/08.
TN06010108 010_3800	WOLF BRANCH	Greene	1.3	Loss of biological integrity due to siltation Alteration in stream-side or littoral vegetative cover NA NA	Pasture Grazing	Category 4a. EPA approved a siltation/habitat alteration TMDL for the known pollutants on 2/6/08.
TN06010108 029_0900	TATE SPRINGS	Unicoi	2.33	Suspended Solids Escherichia coli L L	Aquaculture Waterfowl	Fish hatchery is source of solids. Ducks are concentrated in a park. Category 5. (One or more uses impaired.) TMDLs needed.
TN06010108 030_0100	CEDAR CREEK	Greene	3.3	Loss of biological integrity due to siltation Alteration in stream-side or littoral vegetative cover Escherichia coli NA NA L	Pasture Grazing Unrestricted Cattle Access	Category 5. (One or more uses impaired.) TMDL needed. EPA approved a siltation/habitat alteration TMDL for some of the known pollutants on 2/6/08.

**2016 303(d) LIST (Nolichucky River Watershed continued)**

<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_0200	JOCKEY CREEK	Greene	8.0	Nitrate+Nitrite Loss of biological integrity due to siltation Escherichia coli	NA NA NA	Pasture Grazing  Category 4a. EPA approved nutrient, siltation and pathogen TMDLs for the known pollutants on 5/11/08, 2/6/08, and 3/5/07.
TN06010108 030_0220	CARSON CREEK	Greene Washington	17.9	Nitrate+Nitrite Loss of biological integrity due to siltation Escherichia coli	NA NA NA	Pasture Grazing Unrestricted Cattle Access  Category 4a. EPA approved a nutrient, siltation, and pathogen TMDLs for the known pollutants on 5/11/08, 2/6/08, and 3/5/07.
TN06010108 030_0400	CLEAR FORK	Washington	12	Alteration in stream-side or littoral vegetative cover Escherichia coli	L L	Pasture Grazing  Category 5. (One or more uses impaired.) TMDLs needed.
TN06010108 030_0410	BLACKLEY CREEK	Washington	16	Alteration in stream-side or littoral vegetative cover Escherichia coli	L L	Pasture Grazing  Category 5. (One or more uses impaired.) TMDLs needed.
TN06010108 030_0420	UNNAMED TRIB TO CLEAR FORK	Washington	6.9	Loss of biological integrity due to siltation Alteration in stream-side or littoral vegetative cover	NA NA	Pasture Grazing  Category 4a. EPA approved a siltation/habitat alteration TMDL for the known pollutants on 2/6/08.
TN06010108 030_0430	MUDDY FORK	Washington	23.8	Escherichia coli	NA	Pasture Grazing  Category 4a. EPA approved a pathogen TMDL for the known pollutant on 3/5/07.
TN06010108 030_0431	LEESBURG BRANCH	Washington	3.4	Loss of biological integrity due to siltation Alteration in stream-side or littoral vegetative cover	NA NA	Pasture Grazing  Category 4a. EPA approved a siltation/habitat alteration TMDL for the known pollutants on 2/6/08.
TN06010108 030_1000	BIG LIMESTONE CREEK	Greene Washington	3.1	Escherichia coli	NA	Pasture Grazing  Category 4a. EPA approved a pathogen TMDL for the known pollutant on 3/5/07.
TN06010108 030_2000	BIG LIMESTONE CREEK	Washington	8.8	Total Phosphorus Nitrate+Nitrite Loss of biological integrity due to siltation Escherichia coli	L L NA NA	Pasture Grazing  Category 5. (One or more uses impaired.) TMDLs needed. EPA approved siltation and pathogen TMDLs for some of the known pollutants on 2/6/08 and 3/5/07.
TN06010108 033_0100	BUFFALO CREEK	Greene	3.0	Loss of biological integrity due to siltation Alteration in stream-side or littoral vegetative cover	NA NA	Pasture Grazing  Category 4a. EPA approved a siltation/habitat alteration TMDL for the known pollutants on 2/6/07.

2016 303(d) LIST (Nolichucky River Watershed continued)

Waterbody ID	Impacted Waterbody	County	Miles/Acres Impaired	CAUSE / TMDL Priority	Pollutant Source	COMMENTS
TN06010108 033_1000	PIGEON CREEK	Greene	8.8	Escherichia coli NA	Discharges from MS4 area Pasture Grazing	Category 4a. EPA approved a pathogen TMDL for the known pollutant on 3/5/07.
TN06010108 035_0200	POTTER CREEK	Greene	15.3	Low Dissolved Oxygen NA Loss of biological integrity due to siltation NA Alteration in stream-side or littoral vegetative cover NA Escherichia coli NA	Pasture Grazing	Category 4a. EPA approved dissolved oxygen, siltation/habitat and pathogen TMDLs for the known pollutants on 5/11/08, 2/6/08, and 3/5/07.
TN06010108 035_0400	MUD CREEK	Greene	4.4	Alteration in stream-side or littoral vegetative cover NA	Pasture Grazing	Category 4a. EPA approved a habitat alteration TMDL for the known pollutant on 2/6/08.
TN06010108 035_0700	LICK BRANCH	Greene	1.2	Alteration in stream-side or littoral vegetative cover NA	Pasture Grazing	Category 4a. EPA approved a habitat alteration TMDL for the known pollutant.
TN06010108 035_0900	PUNCHEON CAMP CREEK	Greene	11.5	Low Dissolved Oxygen L Nitrate+Nitrite NA Loss of biological integrity due to siltation NA Escherichia coli NA	Pasture Grazing	Category 5. (One or more uses impaired.) TMDL needed. EPA approved nutrient, siltation, and pathogen TMDLs for some of the known pollutants on 5/11/08, 2/6/08, and 3/5/07.
TN06010108 035_1000	LICK CREEK	Greene	3.9	Nitrate+Nitrite L Loss of biological integrity due to siltation NA Alteration in stream-side or littoral vegetative cover NA Escherichia coli NA	Pasture Grazing	Category 5. (One or more uses impaired.) TMDL needed. EPA approved nutrient, siltation/habitat alteration, and pathogen TMDLs for the known pollutants on 2/6/08, and 3/5/07.
TN06010108 035_1110	BABB CREEK	Greene	4.6	Loss of biological integrity due to siltation NA Alteration in stream-side or littoral vegetative cover NA	Pasture Grazing	Category 4a. EPA approved a siltation TMDL for the known pollutant on 2/6/08.
TN06010108 035_1400	GARDNER CREEK	Greene	5.4	Physical Substrate Habitat Alterations NA	Pasture Grazing Channelization	Category 4a. EPA approved a habitat alteration TMDL for the known pollutant on 2/6/08.
TN06010108 035_1410	WATTENBARGER CREEK	Greene	5.3	Physical Substrate Habitat Alterations NA	Pasture Grazing Channelization	Category 4a. EPA approved a siltation/habitat TMDL for the known pollutant on 2/6/08.

**2016 303(d) LIST (Nolichucky River Watershed continued)**

<b>Waterbody ID</b>	<b>Impacted Waterbody</b>	<b>County</b>	<b>Miles/Acres Impaired</b>	<b>CAUSE / TMDL Priority</b>	<b>Pollutant Source</b>	<b>COMMENTS</b>
TN06010108 035_1800	PYBORN CREEK	Greene	6.4	Low Dissolved Oxygen L Loss of biological integrity L due to siltation Alteration of stream-side or L littoral vegetation Escherichia coli NA	Pasture Grazing	Category 5. (One or more uses impaired.) TMDLs needed. EPA approved a pathogen TMDL that addresses some of the known pollutants on 3/5/07.
TN06010108 035_1900	CLEAR CREEK	Greene Washington	19.9	Loss of biological integrity L due to siltation NA Escherichia coli L	Pasture Grazing Unrestricted Cattle Access	Category 5. (One or more uses impaired.) TMDL needed. EPA approved a siltation TMDL for some of the known pollutants on 2/6/08. Randomly selected for EPA's National Wadeable Streams Study.
TN06010108 035_2000	LICK CREEK	Greene	2.3	Low Dissolved Oxygen L Escherichia coli NA	Pasture Grazing	Category 5. (One or more uses impaired.) TMDL needed. EPA approved a pathogen TMDL for some of the known pollutants on 3/5/07.
TN06010108 035_2300	HORSE FORK	Greene	1.6	Alteration in stream-side L or littoral vegetative cover NA	Pasture Grazing	Category 4a. EPA approved a siltation/habitat TMDL for the known pollutant on 2/6/08.
TN06010108 035_2320	DAVIS BRANCH	Greene	2.8	Loss of biological integrity L due to siltation NA Alteration in stream-side L or littoral vegetative cover NA	Pasture Grazing	Category 4a. EPA approved a siltation/habitat TMDL for the known pollutant on 2/6/08.
TN06010108 035_2400	HOODLEY BRANCH	Greene	5.3	Alteration in stream-side L or littoral vegetative cover NA	Pasture Grazing	Category 4a. EPA approved a habitat TMDL for the known pollutant on 2/6/08.
TN06010108 035_2521	POSSUM CREEK	Greene	7.5	Alteration in stream-side L or littoral vegetative cover NA	Pasture Grazing	Category 4a. EPA approved a habitat alteration TMDL for the known pollutant on 2/6/08.
TN06010108 035_2600	GRASSY CREEK	Greene	12.6	Loss of biological integrity L due to siltation L Escherichia coli	Pasture Grazing	Category 5. (One or more uses impaired.) TMDLs needed.
TN06010108 035_2800	MINK CREEK	Greene	9.1	Alteration in stream-side L or littoral vegetative cover NA Escherichia coli	Pasture Grazing	Category 5. (One or more uses impaired.) TMDL needed. EPA approved a pathogen TMDL for some of the known pollutants on 3/5/07.

**2016 303(d) LIST (Nolichucky River Watershed continued)**

<b>Waterbody ID</b>	<b>Impacted Waterbody</b>	<b>County</b>	<b>Miles/Acres Impaired</b>	<b>CAUSE / TMDL Priority</b>	<b>Pollutant Source</b>	<b>COMMENTS</b>
TN06010108 035_2810	POND CREEK	Greene	2.2	Physical Substrate Habitat Alterations NA	Pasture Grazing	Category 4a. EPA approved a habitat alteration TMDL for the known pollutant on 2/6/08.
TN06010108 035_3000	LICK CREEK	Greene	7.4	Total Phosphorus L Loss of biological integrity due to siltation NA Alteration in stream-side or littoral vegetative cover NA Escherichia coli NA	Pasture Grazing	Category 5. (One or more uses impaired.) TMDL needed. EPA approved siltation/habitat alteration and pathogen TMDLs for some of the known pollutants on 2/6/08 and 3/5/07.
TN06010108 035_4000	LICK CREEK	Greene	4.9	Escherichia coli NA	Pasture Grazing	Category 4a. EPA approved a pathogen TMDL for the known pollutant on 2/6/08 and 3/5/07.
TN06010108 035_5000	LICK CREEK	Greene	17.8	Total Phosphorus L Loss of biological integrity due to siltation NA Physical Substrate Habitat Alteration NA Escherichia coli NA	Pasture Grazing	Category 5. . (One or more uses impaired.) TMDL needed. EPA approved a siltation/habitat alteration and pathogen TMDL for some of the known pollutants on 2/6/08 and 3/5/07.
TN06010108 035_6000	LICK CREEK	Greene	8.9	Loss of biological integrity due to siltation NA Physical Substrate Habitat Alteration NA Escherichia coli NA	Pasture Grazing	Category 4a. EPA approved a siltation/habitat alteration and pathogen TMDL for some of the known pollutants on 2/6/08 and 3/5/07.
TN06010108 035_7000	LICK CREEK	Greene	9.4	Escherichia coli NA	Pasture Grazing	Category 4a. EPA approved a pathogen TMDL for the known pollutant on 3/5/07.
TN06010108 035_8000	LICK CREEK	Greene	7.2	Escherichia coli NA	Pasture Grazing	Category 4a. EPA approved a pathogen TMDL for the known pollutant on 3/5/07.
TN06010108 035_9000	LICK CREEK	Greene	7.7	Nitrate+Nitrite NA Loss of biological integrity due to siltation NA Escherichia coli NA	Pasture Grazing	Category 4a. EPA approved nutrient, siltation, and pathogen TMDLs for the known pollutants on 5/11/09, 2/6/08 and 3/5/07.
TN06010108 042_0600	MUD CREEK	Hamblen Hawkins	8.2	Escherichia coli NA	Pasture Grazing	Category 4a. EPA approved a pathogen TMDL for the known pollutant on 3/5/07.
TN06010108 042_0610	WHITEHORN CREEK	Hamblen Hawkins	17.9	Alteration in stream-side or littoral vegetative cover L Loss of biological integrity due to siltation L	Pasture Grazing	Category 5. (One or more uses impaired.) TMDLs needed.

**2016 303(d) LIST (Nolichucky River Watershed continued)**

<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_0612	COLDSPRING BRANCH	Hawkins	1.1	Loss of biological integrity due to siltation Physical Substrate Habitat Alterations	NA NA	Pasture Grazing  Category 4a. EPA approved a siltation/habitat alteration TMDL for the known pollutants on 2/6/08.
TN06010108 042_1000	BENT CREEK	Hamblen	13.7	Escherichia coli	NA	Pasture Grazing  Category 4a. EPA approved a pathogen TMDL for the known pollutant on 3/5/07.
TN06010108 043_0200	CRIDER CREEK	Jefferson	6.2	Loss of biological integrity due to siltation Alteration in stream-side or littoral vegetative cover	NA NA	Pasture Grazing  Category 4a. EPA approved a siltation/habitat alteration TMDL for the known pollutants on 2/6/08.
TN06010108 043_0300	SARTAIN CREEK	Jefferson	4.4	Loss of biological integrity due to siltation Physical Substrate Habitat Alterations	NA NA	Pasture Grazing Unrestricted Cattle Access  Category 4a. EPA approved a siltation/habitat alteration TMDL for the known pollutants on 2/6/08
TN06010108 043_0310	CARTER BRANCH	Jefferson Hamblen	3.5	Loss of biological integrity due to siltation Physical Substrate Habitat Alterations	NA NA	Pasture Grazing Unrestricted Cattle Access  Category 4a. EPA approved a siltation/habitat alteration TMDL for the known pollutants on 2/6/08
TN06010108 043_0400	CEDAR CREEK	Hamblen Jefferson	7.5	Alteration in stream-side or littoral vegetative cover Loss of biological integrity due to siltation	NA NA	Pasture Grazing  Category 4a. EPA approved a siltation/habitat alteration TMDL for some of the known pollutants on 2/6/08.
TN06010108 043_1000	LONG CREEK	Jefferson Hamblen	13.5	Escherichia coli	NA	Pasture Grazing  Category 4a. EPA approved a pathogen TMDL for the known pollutant on 3/5/07
TN06010108 064_1000	SINKING CREEK	Greene	3.8	Escherichia coli	NA	Pasture Grazing  Category 4a. EPA approved a pathogen TMDL for the known pollutant on 3/5/07.
TN06010108 064_2000	SINKING CREEK	Greene	19.6	Escherichia coli	NA	Pasture Grazing  Category 4a. EPA approved a pathogen TMDL for the known pollutant on 3/5/07.
TN06010108 088_1000	HORSE CREEK	Greene	14.28	Escherichia coli	NA	Pasture Grazing  Category 4a. EPA approved a pathogen TMDL for the known pollutant on 3/5/07
TN06010108 102_0100	UNNAMED TRIB TO RICHLAND CREEK	Greene	4.05	Loss of biological integrity due to siltation Alteration in stream-side or littoral vegetative cover	NA NA	Pasture Grazing  Category 4a. EPA approved a siltation/habitat alteration TMDL for the known pollutants on 2/6/08.

**2016 303(d) LIST (Nolichucky River Watershed continued)**

<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 NA Physical Substrate Habitat Alterations NA	Pasture Grazing	Category 4a. EPA approved a siltation/habitat alteration TMDL for the known pollutants on 2/6/08.
TN06010108 102_0300	TIPTON CREEK	Greene	1.60	Loss of biological integrity due to siltation NA Physical Substrate Habitat Alterations NA	Pasture Grazing	Category 4a. EPA approved a siltation/habitat alteration TMDL for the known pollutants on 2/6/08.
TN06010108 102_0400	EAST FORK RICHLAND CREEK	Greene	4.96	Physical Substrate Habitat Alterations NA	Pasture Grazing	Category 4a. EPA approved a siltation/habitat alteration TMDL for the known pollutant on 2/6/08.
TN06010108 102_1000	RICHLAND CREEK	Greene	10.99	Nitrate+Nitrite NA Loss of biological integrity due to siltation NA Physical Substrate Habitat Alterations NA Escherichia coli NA	Pasture Grazing Discharges from MS4 area	Category 4a. EPA approved nutrient, siltation/habitat alteration and pathogen TMDLs for the known pollutants on 5/11/2009, 2/6/2008, and 3/5/2007. (This segment was identified as _1000 & _2000 in TMDL.)
TN06010108 456_0200	DRY CREEK	Greene	3.3	Loss of biological integrity due to siltation NA Physical Substrate Habitat Alterations NA	Sand/Gravel/Rock Mining	Category 4a. EPA approved a siltation/habitat alteration TMDL for the known pollutant on 2/6/08.s.
TN06010108 510_0100	BROWN BRANCH	Washington	8.3	Loss of biological integrity due to siltation NA Alteration in stream-side or littoral vegetative cover NA	Pasture Grazing Land Development	Category 4a. EPA approved a siltation/habitat alteration TMDL for the known pollutants on 2/6/08.
TN06010108 510_0200	BACON BRANCH	Washington	4.6	Loss of biological integrity due to siltation NA Alteration in stream-side or littoral vegetative cover NA	Pasture Grazing	Category 4a. EPA approved a siltation/habitat alteration TMDL for the known pollutants on 2/6/08.
TN06010108 510_0300	FEIST BRANCH	Washington	2.3	Alteration in stream-side or littoral vegetative cover NA Loss of biological integrity due to siltation NA	Pasture Grazing	Category 4a. EPA approved a siltation/habitat alteration TMDL for some of the known pollutants on 2/6/08.

**2016 303(d) LIST (Nolichucky River Watershed continued)**

<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_0400	HOMINY BRANCH	Washington	7.0	Nitrate+Nitrite Alteration in stream-side or littoral vegetative cover Escherichia coli	NA L NA	Pasture Grazing  Category 5. (One or more uses impaired.) TMDL needed. EPA approved nutrient and pathogen TMDLs for the known pollutants on 5/11/09 and 3/5/07. (This segment was identified as Hominy Creek in TMDL.)
TN06010108 510_0500	ONION CREEK	Washington	4.0	Alteration in stream-side or littoral vegetative cover Loss of biological integrity due to siltation	NA NA	Pasture Grazing Land Development Category 4a. EPA approved a siltation/habitat alteration TMDL for some of the known pollutants on 2/6/08.
TN06010108 510_1000	LITTLE LIMESTONE CREEK	Washington	8.0	Nitrate+Nitrite Escherichia coli	L NA	Pasture Grazing Category 5. (One or more uses impaired.) TMDL needed. EPA approved a pathogen TMDL for some of the known pollutants on 3/5/07.
TN06010108 510_2000	LITTLE LIMESTONE CREEK	Washington	7.56	Nitrate+Nitrite Total Phosphorus Physical Substrate Habitat Alterations Ammonia Escherichia coli	L L NA L NA	Discharges from MS4 area Municipal Point Source Pasture Grazing Category 5. (One or more uses impaired.) TMDLs needed. EPA approved siltation/habitat alteration and pathogen TMDLs for some of the known pollutants on 2/6/08 and 3/5/07. (This segment was split to _2000 & _3000 after TMDLs.)
TN06010108 510_3000	LITTLE LIMESTONE CREEK	Washington	5.94	Nitrate+Nitrite Physical Substrate Habitat Alterations Escherichia coli	M NA NA	Discharges from MS4 area Category 5. (One or more uses impaired.) TMDL needed. EPA approved and siltation/habitat alteration and pathogen alteration TMDLs for some of the known pollutants on 2/6/08 and 3/5/07. (This segment was split to _2000 & _3000 after TMDLs.)
TN06010108 536_0200	LITTLE CHEROKEE CREEK	Washington	7.2	Loss of biological integrity due to siltation Physical Substrate Habitat Alterations	NA NA	Pasture Grazing Land Development Category 4a. EPA approved a siltation/habitat alteration TMDL for the known pollutants on 2/6/08.
TN06010108 DCROCKET T_1000	DAVY CROCKETT RESERVOIR	Greene	383 ac	Loss of biological integrity due to siltation	NA	Pasture Grazing Source in Other State Category 4a. EPA approved a siltation/habitat TMDL for the known pollutant on 2/6/08.

**2016 303(d) LIST (Nolichucky River Watershed continued)**

Waterbody ID	Impacted Waterbody	County	Miles/Acres Impaired	CAUSE / TMDL Priority	Pollutant Source	COMMENTS
TN06010108 DTRIBS_0 100	MUTTON CREEK	Greene	1.7	Loss of biological integrity due to siltation NA Physical Substrate Habitat Alterations NA	Pasture Grazing	Category 4a. EPA approved a siltation/habitat alteration TMDL for the known pollutants on 2/6/08.
TN06010108 DTRIBS_0 200	JOHNSON CREEK	Greene	1.4.	Loss of biological integrity due to siltation NA	Pasture Grazing	Category 4a. EPA approved a siltation TMDL for the known pollutant on 2/6/08.
TN06010108 DTRIBS_0 600	FLAG BRANCH	Greene	5.8	Loss of biological integrity due to siltation NA Alteration in stream-side or littoral vegetative cover NA	Pasture Grazing Channelization	Category 4a. EPA approved a siltation/habitat alteration TMDL for the known pollutants on 2/6/08.

**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 NA	Contaminated sediments	<a href="#">Fishing advisory</a> due to PCBs. Category 4a. EPA approved a PCB TMDL for the known pollutant on 3/18/10.
TN06010201 001_2000	UPPER WATTS BAR RESERVOIR Sweetwater Creek to Fort Loudoun Dam.	Loudon	1971 ac	Low Dissolved Oxygen L PCBs NA	Upstream Impoundment Contaminated Sediment	<a href="#">Fishing advisory</a> due to PCBs. Category 5. (One or more uses impaired.) TMDL needed. EPA approved a PCB TMDL for some of the known pollutants on 3/18/10. Provides habitat for the federally listed fish, snail darter ( <i>Percina tanasi</i> ) and the following mussels: orange-foot pimpleback pearly mussel ( <i>Plethobasus cooperianus</i> ) and pink mucket pearly mussel ( <i>Lampsilis abrupta</i> ).
TN06010201 001T_0100	CRACKER CREEK	Rhea	2.0	Alteration in stream-side or littoral vegetative cover L	Pasture Grazing	Category 5. (One or more uses impaired.) TMDL needed.
TN06010201 001T_0200	WOLF CREEK	Rhea	2.49	Alteration in stream-side or littoral vegetative cover L Escherichia coli NA	Pasture Grazing	Category 5. (One or more uses impaired.) TMDL needed. EPA approved pathogens TMDL that addresses some of the known pollutants on 8/15/14.

**2016 303(d) LIST (Upper Tennessee River Watershed continued)**

<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>
TN06010201009_1000	RILEY CREEK	Roane	22.8	Loss of biological integrity due to siltation L Alteration in stream-side or littoral vegetative cover L Escherichia coli L	Pasture Grazing	Category 5. (One or more uses impaired.) TMDL needed.
TN06010201011_1000	PAINT ROCK CREEK	Roane Loudon	12.2	Escherichia coli NA	Pasture Grazing	Category 4a. EPA approved a pathogen TMDL for the known pollutant on 8/15/14. .
TN06010201013_0100	MUD CREEK	McMinn Monroe	7.2	Escherichia coli NA	Pasture Grazing	Category 4a. EPA approved a pathogen TMDL for the known pollutant on 8/15/14.
TN06010201013_0200	GREASY BRANCH	Loudon Monroe	7.3	Escherichia coli NA	Pasture Grazing	Category 4a. EPA approved a pathogen TMDL for the known pollutant on 8/15/14.
TN06010201013_1000	POND CREEK	Loudon Monroe	13.57	Escherichia coli NA	Pasture Grazing Unrestricted Cattle Access	Category 4a. EPA approved a pathogen TMDL for the known pollutant on 8/15/14.
TN06010201013_2000	POND CREEK	Loudon Monroe	4.18	Loss of biological integrity due to siltation L Alteration in stream-side or littoral vegetative cover L Total Phosphorus L Nitrate+Nitrite L Escherichia coli NA	Pasture Grazing Unrestricted Cattle Access	Category 5. (One or more uses impaired.) TMDLs needed. EPA approved a pathogen TMDL for some of the known pollutants on 8/15/14.
TN06010201015_0100	BACON CREEK	Loudon Monroe	10.2	Nitrate+Nitrite L Alteration in stream-side or littoral vegetative cover L Loss of biological integrity due to siltation L Physical Substrate Habitat Alteration L Escherichia coli NA	Pasture Grazing Animal Feeding Operations (NPS) Channelization	Category 5. (One or more uses impaired.) TMDLs needed. EPA approved a pathogen TMDL for some of the known pollutants on 8/15/14.
TN06010201015_1000	SWEETWATER CREEK	Loudon	7.75	Escherichia coli NA	Pasture Grazing Animal Feeding Operation (NPS)	Category 4a. EPA approved a pathogen TMDL for the known pollutant on 8/15/14.
TN06010201015_2000	SWEETWATER CREEK	Loudon Monroe	10.13	Nitrate+Nitrite L Total Phosphorus L Loss of biological integrity due to siltation NA Alteration in stream-side or littoral vegetative cover NA Escherichia coli NA	Municipal Point Source Channelization Pasture Grazing Land Development	Category 5. (One or more uses impaired.) TMDLs needed. EPA approved pathogen and siltation/habitat TMDLs for some of the known pollutants on 8/15/14 and 4/19/07.

2016 303(d) LIST (Upper Tennessee River Watershed continued)

Waterbody ID	Impacted Waterbody	County	Miles/Acres Impaired	CAUSE / TMDL Priority	Pollutant Source	COMMENTS	
TN06010201015_3000	SWEETWATER CREEK	McMinn Monroe	8.68	Loss of biological integrity due to siltation Alteration in stream-side or littoral vegetative cover Escherichia coli	NA NA NA	Urbanized High Density Area Pasture Grazing	Category 4a. EPA approved pathogen and siltation/habitat TMDLs for the known pollutants on 8/15/14 and 4/19/07.
TN06010201020_1000	FORT LOUDOUN RESERVOIR	Knox Loudon	14066 ac	PCBs	NA	Contaminated Sediment	<a href="#">Fishing advisory</a> due to PCBs. Category 4a. EPA approved a PCB TMDL for the known pollutant on 3/3/10.
TN06010201020_2000	FORT LOUDOUN RESERVOIR	Knox	534 ac	Mercury PCBs	L NA	Atmospheric Deposition Contaminated Sediment	<a href="#">Fishing advisory</a> due to mercury and PCBs. Category 5. (One or more uses impaired.) TMDL needed.
TN06010201026_0100	RODDY BRANCH	Blount Knox	6.4	Alteration in stream-side or littoral vegetative cover Physical Substrate Habitat Alteration Loss of biological integrity due to siltation Escherichia coli	NA NA NA NA	Pasture Grazing Channelization	Category 4a. EPA has approved pathogen and siltation/habitat alteration TMDLs that address the known pollutants on 11/21/05 and 2/1/06.
TN06010201026_0110	CANEY BRANCH	Blount	1.43	Loss of biological integrity due to siltation Physical Substrate Habitat Alteration	NA NA	Pasture Grazing	Category 4a. EPA approved a habitat alteration TMDL for the known pollutants on 2/1/06. (This segment was identified as _0200 in TMDL.)
TN06010201026_0300	HOLLYBROOK BRANCH	Blount	2.78	Total Phosphorus Alteration in stream-side or littoral vegetative cover Loss of biological integrity due to siltation Escherichia coli	L NA NA H	Pasture Grazing	Category 5. (One or more uses impaired.) TMDLs needed. EPA approved a siltation/habitat TMDL for some of the known pollutants on 2/1/06.
TN06010201026_0400	PISTOL CREEK	Blount	6.39	Loss of biological integrity due to siltation Escherichia coli	NA NA	Discharges from MS4 area	Category 4a. EPA approved siltation and pathogen TMDLs for the known pollutants on 2/1/06 and 11/21/05.
TN06010201026_0410	SPRINGFIELD BRANCH	Blount	5.48	Nitrate+Nitrite Loss of biological integrity due to siltation Escherichia coli	L NA H	Discharges from MS4 area	Category 5. (One or more uses impaired.) TMDLs needed. EPA approved a siltation TMDL that addresses some of the known pollutants on 2/1/06.

**2016 303(d) LIST (Upper Tennessee River Watershed continued)**

<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 026_0420	BROWN CREEK	Blount	22.07	Alteration in stream-side or littoral vegetative cover NA Nitrate+Nitrite M Loss of biological integrity due to siltation NA Escherichia coli H	Discharges from MS4 area Land Development	Category 5. (One or more uses impaired.) TMDLs needed. EPA has approved siltation/habitat alteration TMDLs to address some of the known pollutants on 2/1/06.
TN06010201 026_0421	DUNCAN BRANCH	Blount	2.5	Flow Alteration NA	Sand/Gravel/Rock Quarry	Category 4c. (Impairment is not caused by a pollutant.)
TN06010201 026_0430	CULTON CREEK	Blount	6.14	Nitrate+Nitrite L Loss of biological integrity due to siltation NA Escherichia coli NA	Discharges from MS4 area	Category 5. (One or more uses impaired.) TMDL needed. EPA approved a pathogen and siltation/habitat TMDLs that address some of the known pollutants on 11/21/05 and 2/1/06. (This segment included in _0431 TMDL.)
TN06010201 026_0431	LAUREL BANK BRANCH	Blount	16.57	Loss of biological integrity due to siltation NA	Discharges from MS4 area	Category 4a. EPA approved a siltation TMDL that addresses some of the known pollutants on 11/21/05 and 2/1/06.
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	Category 5. (One or more uses impaired.) TMDL needed. EPA approved a siltation TMDL that addresses some of the known pollutants on 2/1/06.
TN06010201 026_1000	LITTLE RIVER	Blount	7.1	PCBs NA	Contaminated Sediment	<a href="#">Fishing advisory.</a> Category 4a. Approved PCB TMDL addresses known pollutants on 9/17/09
TN06010201 027_0300	ROCKY BRANCH	Blount	4.04	Alteration in stream-side or littoral vegetative cover NA Loss of biological integrity due to siltation NA Escherichia coli H	Pasture Grazing	Category 5. (One or more uses impaired.) TMDL needed. EPA has approved siltation/habitat alteration TMDLs that address some of the known pollutants on 2/1/06.
TN06010201 027_0400	PEPPERMINT BRANCH	Blount	2.7	Loss of biological integrity due to siltation NA Escherichia coli H	Discharges from MS4 area Pasture Grazing	Category 5. (One or more uses impaired.) TMDL needed. EPA approved a siltation/habitat TMDL that addresses some of the known pollutants on 2/1/06.

**2016 303(d) LIST (Upper Tennessee River Watershed continued)**

<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 028_0100	SPICEWOOD BRANCH	Blount	2.23	Alteration in stream-side or littoral vegetative cover NA Loss of biological integrity due to siltation NA	Streambank Modifications	Category 4a. EPA approved a siltation/habitat TMDL that addresses the known pollutants on 2/1/06.
TN06010201 028_0300	SOUTH FORK CROOKED CREEK	Blount	8.21	Alteration in stream-side or littoral vegetative cover NA Loss of biological integrity due to siltation NA	Pasture Grazing	Category 4a. EPA approved a siltation/habitat TMDL that addresses the known pollutants on 2/1/06.
TN06010201 028_0500	FLAG BRANCH	Blount	7.8	Alteration in stream-side or littoral vegetative cover NA Loss of biological integrity due to siltation NA Escherichia coli H	Pasture Grazing Discharges from MS4 area	Category 5. (One or more uses impaired.) TMDL needed. EPA approved a siltation/habitat TMDL that addresses some of the known pollutants on 2/1/06.
TN06010201 028_1000	CROOKED CREEK	Blount	13.91	Escherichia coli NA	Pasture Grazing Unrestricted Cattle Access	Category 4a. EPA approved a pathogen TMDL for the known pollutant on 11/21/05.
TN06010201 031_1000	HESSE CREEK	Blount	4.5	Escherichia coli H	Pasture Grazing	Category 5. (One or more uses impaired.) TMDL needed.
TN06010201 032_0510	GOSHEN PRONG	Sevier	6.66	Low pH NA	Undetermined Source	Category 4a. EPA approved a pH TMDL for the known pollutant on 9/7/10. High elevation in Great Smoky Mountains National Park. Low pH due to a combination of natural conditions (anakeesta) and atmospheric deposition.
TN06010201 032_0530	UNNAMED TRIB. TO FISH CAMP PRONG	Sevier	1.34	Low pH NA	Undetermined Source	Category 4a. EPA approved a pH TMDL for the known pollutant on 9/7/10. High elevation stream in Great Smoky Mountains National Park. Low pH source may be a combination of natural conditions (anakeesta) and atmospheric deposition.
TN06010201 032_0700	DRY BRANCH	Blount	3.31	Escherichia coli H	Pasture Grazing	Category 5. (One or more uses impaired.) TMDL needed.

**2016 303(d) LIST (Upper Tennessee River Watershed continued)**

<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 032_0800	SHORT CREEK	Blount	10.7	Nitrate+Nitrite Alteration in stream-side or littoral vegetative cover Loss of biological integrity due to siltation Escherichia coli	L L L NA	Channelization Undetermined Source	Category 5. (One or more uses impaired.) TMDLs needed. EPA approved a pathogen TMDL that addresses some of the known pollutants on 11/21/05.
TN06010201 032_0820	TIPTON BRANCH	Blount	2.5	Alteration in stream-side or littoral vegetative cover Loss of biological integrity due to siltation	NA NA	Upstream Impoundments	Category 4a. EPA approved a siltation/habitat TMDL that addresses some of the known pollutants on 2/1/06. (This segment was identified as _0810 in TMDL.)
TN06010201 033_0100	LITTLE ELLEJOY CREEK	Blount	14.7	Nitrate+Nitrite Alteration in stream-side or littoral vegetative cover Loss of biological integrity due to siltation Escherichia coli	L L L NA	Pasture Grazing	Category 5. (One or more uses impaired.) TMDLs needed. EPA approved a pathogen TMDL that addresses some of the known pollutants on 11/21/05.
TN06010201 033_0200	PITNER CREEK	Blount	13.5	Escherichia coli	NA	Pasture Grazing	Category 4a. EPA approved a pathogen TMDL that addresses the known pollutant on 11/21/05.
TN06010201 033_1000	ELLEJOY CREEK	Blount	14.78	Escherichia coli	NA	Pasture Grazing	Category 4a. EPA approved a pathogen TMDL that addresses known pollutant on 11/21/05.
TN06010201 033_2000	ELLEJOY CREEK	Blount	5.37	Alteration in stream-side or littoral vegetative cover Loss of biological integrity due to siltation Escherichia coli	NA NA NA	Pasture Grazing	Category 4a. EPA approved siltation/habitat alteration and pathogen TMDLs that address some of the known pollutants on 2/1/06 and 11/21/05.
TN06010201 034_0200	WILDWOOD BRANCH	Blount	6.26	Escherichia coli	NA	Pasture Grazing	Category 4a. EPA has approved pathogen TMDLs that address the known pollutants on 11/21/05.
TN06010201 034_1000	NAILS CREEK	Blount Sevier	24.5	Escherichia coli	NA	Pasture Grazing	Category 4a. EPA approved a pathogen TMDL that addresses the known pollutant 11/21/05.

**2016 303(d) LIST (Upper Tennessee River Watershed continued)**

<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 037_1000	LITTLE TURKEY CREEK	Knox	14.0	Loss of biological integrity due to siltation NA	Discharges from MS4 area	Category 4a. EPA has approved a siltation TMDL that addresses the known pollutant on 2/1/06.
TN06010201 038_1000	TOWN CREEK	Loudon	12.9	Loss of biological integrity due to siltation Escherichia coli L NA	Discharges from MS4 area	Category 5. (One or more uses impaired.) TMDL needed. EPA approved a pathogen TMDL for some of the known pollutants on 8/15/2014.
TN06010201 040_0600	BLACK CREEK	Roane	16.7	Total Phosphorus Physical Substrate Habitat Alterations Escherichia coli L L L	Municipal Point Source Urbanized High Density Area Pasture Grazing Collection System Failure Channelization	Category 5. (One or more uses impaired.) TMDLs needed.
TN06010201 041_2000	PINEY CREEK	Rhea	12.8	Loss of biological integrity due to siltation L	Nonirrigated Crop Production	Category 5. (One or more uses impaired.) TMDL needed.
TN06010201 064_1000	STAMP CREEK	Roane	13.4	Escherichia coli H	Pasture Grazing	Category 5. (One or more uses impaired.) TMDL needed.
TN06010201 065_1000	STEEKEE CREEK	Loudon	11.0	Escherichia coli NA	Pasture Grazing	Category 4a. TMDL approved a pathogen TMDL on 08/15/2014.
TN06010201 066_0100	CASTEEL BRANCH	Knox	0.95	Loss of biological integrity due to siltation NA	Pasture Grazing Discharges from MS4 area	Category 4a. EPA approved a siltation/habitat TMDL that addresses the known pollutant on 2/1/06.
TN06010201 066_0400	GRANDVIEW BRANCH	Knox	1.7	Escherichia coli NA	Pasture Grazing	Category 4a. EPA approved a pathogen TMDL that addresses the known pollutant on 11/21/05. (This segment was identified as _0300 in TMDL.)
TN06010201 066_0600	HIGH BLUFF BRANCH	Knox	1.25	Escherichia coli NA	Discharges from MS4 area	Category 4a. EPA approved a pathogen TMDL that addresses for the known pollutant on 11/21/05.
TN06010201 066_1000	STOCK CREEK	Knox	3.77	Escherichia coli NA	Pasture Grazing	Category 4a. EPA approved a pathogen TMDL that addresses the known pollutant on 11/21/05.
TN06010201 066_1200	GUNN HOLLOW BRANCH	Knox	1.36	Escherichia coli NA	Pasture Grazing	Category 4a. EPA approved a pathogen TMDL for the known pollutant.

**2016 303(d) LIST (Upper Tennessee River Watershed continued)**

<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 066_2000	STOCK CREEK	Knox	1.98	Escherichia coli NA	Pasture Grazing	Category 4a. EPA approved a pathogen TMDL for the known pollutant.
TN06010201 067_0100	EAST FORK THIRD CREEK	Knox	2.78	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	Category 4a. EPA approved a pathogen and siltation/habitat alteration TMDLs that address pollutants on 2/11/03 on 2/1/06. (This segment was identified as part of _1000 in TMDL.)
TN06010201 067_1000	THIRD CREEK	Knox	17.86	Nitrate+Nitrite L 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	<a href="#">Water contact advisory</a> due to pathogens. Category 5. (One or more uses impaired.) TMDL needed. EPA has approved pathogen and siltation/habitat TMDLs that address some of the known pollutants on 2/11/03 on 2/1/06.
TN06010201 080_0100	WHITES CREEK	Knox	10.2	Other Anthropogenic Habitat Alterations NA Escherichia coli H	Discharges from MS4 area Streambank Modification	Category 5. (One or more uses impaired.) TMDL needed. EPA approved a siltation/habitat TMDL that addresses some of the known pollutants on 2/1/06.
TN06010201 080_1000	FIRST CREEK	Knox	16.1	Nitrate+Nitrite L 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	<a href="#">Water contact advisory</a> . Category 5. (One or more uses impaired.) TMDL needed. EPA has approved siltation/habitat alteration and pathogen TMDLs that address some of the known pollutants on 2/1/06 and 2/11/03.
TN06010201 083_1000	FLOYD CREEK	Loudon Blount	7.7	Loss of biological integrity due to siltation NA Escherichia coli NA	Pasture Grazing	Category 4a. EPA approved siltation and pathogen TMDLs for the known pollutants on 1/26/06.
TN06010201 087_1000	HINES CREEK	Loudon Roane	20.3	Loss of biological integrity due to siltation L Escherichia coli NA	Pasture Grazing	Category 5. (One or more uses impaired.) TMDL needed. EPA approved a pathogen TMDL for some of the known pollutants on 08/15/2014.

**2016 303(d) LIST (Upper Tennessee River Watershed continued)**

<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 097- 1000	SECOND CREEK	Knox	12.8	Other Anthropogenic Habitat Alterations Nitrate+Nitrite Loss of biological integrity due to siltation Escherichia coli NA L NA NA	Discharges from MS4 area Collection System Failure	<a href="#">Water contact advisory.</a> Category 5. (One or more uses impaired.) TMDL needed. EPA approved siltation/habitat alteration and pathogen TMDLs that address some of the known pollutants on 2/1/06 and 2/11/03.
TN06010201 1015_1000	CLOYD CREEK	Loudon	11.3	Escherichia coli NA	Pasture Grazing Unrestricted Cattle Access	Category 4a. EPA approved a pathogen TMDL that addresses pathogens on 8/3/05.
TN06010201 1149_1000	POLECAT CREEK	Loudon	13.1	Nitrate+Nitrite Loss of biological integrity due to siltation Escherichia coli L L H	Pasture Grazing	Category 5. (One or more uses impaired.) TMDLs needed.
TN06010201 1330_1000	SINKING CREEK	Knox	4.1	Escherichia coli H	Discharges from MS4 area	Category 5. (One or more uses impaired.) TMDL needed.
TN06010201 1334_0100	TEN MILE CREEK (formerly called Sinking Creek)	Knox	12.74	Alteration in stream-side or littoral vegetative cover Loss of biological integrity due to siltation Escherichia coli L L H	Discharges from MS4 area	Category 5. (One or more uses impaired.) TMDLs needed.
TN06010201 340_1000	TURKEY CREEK	Knox	15.8	Loss of biological integrity due to siltation Escherichia coli NA H	Discharges from MS4 area	Category 5. (One or more uses impaired.) TMDL needed. EPA has approved a siltation TMDL that addresses some of the known pollutants on 2/1/06.
TN06010201 462_0100	LAUREL FORD BRANCH	Rhea	1.75	Escherichia coli H	Pasture Grazing	Category 5. (One or more uses impaired.) Impaired. TMDL needed.
TN06010201 462_1000	TOWN CREEK	Rhea	7.7	Escherichia coli H	Pasture Grazing	Category 5. (One or more uses impaired.) Impaired. TMDL needed.
TN06010201 526_1000	MUDDY CREEK	Rhea	7.0	Loss of biological integrity due to siltation Escherichia coli L H	Pasture Grazing	Category 5. (One or more uses impaired.) Impaired. TMDLs needed.

2016 303(d) LIST (Upper Tennessee River Watershed continued)

Waterbody ID	Impacted Waterbody	County	Miles/Acres Impaired	CAUSE / TMDL Priority	Pollutant Source	COMMENTS
TN06010201 620_1000	CARDIFF CREEK	Roane	3.8	Chrome, hexavalent pH L L	CERCLA site	Category 5. (One or more uses impaired.) TMDLs needed. Category 4b for Hexavalent Chromium. A TMDL would not be helpful at the CERCLA ROD is the enforceable control strategy. Hexavalent chrome levels exceed acute criteria in this stream.
TN06010201 621_1000	CANEY CREEK	Roane	18.2	Physical Substrate Habitat Alteration Loss of biological integrity due to siltation Escherichia coli L L NA	Pasture Grazing Collection System Failure	Category 5. (One or more uses impaired.) TMDLs needed. EPA has approved a pathogen TMDL on 08/15/2014.
TN06010201 697_1000	FOURTH CREEK	Knox	14.9	Physical Substrate Habitat Alterations Escherichia coli NA NA	Discharges from MS4 area Channelization	Category 4a. EPA approved pathogen and siltation/habitat TMDLs that address the known pollutants on 2/11/03 and 2/1/06.
TN06010201 719_1000	WILLIAMS CREEK	Knox	2.8	Nitrate+Nitrite Other Anthropogenic Habitat Alterations Escherichia coli L NA NA	Discharges from MS4 area Collection System Failure	Category 5. (One or more uses impaired.) TMDL needed. EPA approved pathogen and siltation/habitat TMDLs that address the known pollutants on 2/11/03 and 2/1/06.
TN06010201 721_1000	BAKER CREEK	Knox	3.3	Nitrate+Nitrite Other Anthropogenic Habitat Alterations Escherichia coli L NA NA	Discharges from MS4 area Collection System Failure	Category 5. (One or more uses impaired.) TMDL needed. EPA approved pathogen and siltation/habitat alteration TMDLs that address some of the known pollutants on 2/11/03 and 2/1/06.
TN06010201 723_1000	GOOSE CREEK	Knox	4.9	Loss of biological integrity due to siltation Other Anthropogenic Habitat Alterations PCBs Escherichia coli NA NA L NA	Collection System Failure Discharges from MS4 area RCRA Hazardous Waste	<a href="#">Water contact advisory</a> due to pathogens. (Witherspoon Superfund site.) Category 5. (One or more uses impaired.) TMDL needed. EPA approved siltation/habitat pathogen TMDLs that address some of the known pollutants on 2/1/06 and 2/11/03.

**2016 303(d) LIST (Upper Tennessee River Watershed continued)**

Waterbody ID	Impacted Waterbody	County	Miles/Acres Impaired	CAUSE / TMDL Priority	Pollutant Source	COMMENTS
TN06010201 983_1000	POLECAT CREEK	Blount	1.85	Alteration in stream-side or littoral vegetative cover NA Loss of biological integrity due to siltation NA Escherichia coli H	Discharges from MS4 area  Channelization	Category 5. (One or more uses impaired.) TMDL needed. EPA has approved siltation/ habitat TMDL that address some of the known pollutants on 2/1/06.

**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	<a href="#">Fishing advisory</a> due to PCBs. Category 5. (One or more uses impaired.) TMDL needed. The Tellico River was once habitat for the federally listed snail darter ( <i>Percina tanasi</i> ).
TN06010204 002_1000	FORK CREEK	Loudon Monroe	19.3	Nitrate+Nitrite L Loss of biological integrity due to siltation NA Escherichia coli NA	Pasture Grazing	Category 5. (One or more uses impaired.) TMDL needed. EPA has approved pathogen and siltation/habitat TMDLs that address some of the known pollutants on 4/10/06 and 4/19/07.
TN06010204 004_0100	UNNAMED TRIB TO BAT CREEK	Monroe	2.66	Nitrate+Nitrite L Total Phosphorus L Escherichia coli L	Municipal Point Source	Category 5. (One or more uses impaired.) TMDL needed.
TN06010204 004_0110	UNNAMED TRIB TO UNNAMED TRIB TO BAT CREEK	Monroe	2.54	Nitrate+Nitrite L Total Phosphorus L Escherichia coli NA Low Dissolved Oxygen L	Municipal Point Source	Category 5. (One or more uses impaired.) TMDL needed. EPA approved a pathogen TMDL addresses some of the known pollutants on 4/10/06. Madisonville STP.
TN06010204 004_1000	BAT CREEK	Monroe	7.09	Escherichia coli NA	Collection System Failure Pasture Grazing	Category 4a. EPA approved a pathogen TMDL that addresses the known pollutant on 4/10/06.

**2016 303(d) LIST (Little Tennessee River Watershed continued)**

<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 004_2000	BAT CREEK	Monroe	6.86	Nitrate+Nitrite Total Phosphorus Escherichia coli L L NA	Municipal Point Source Collection System Failure Pasture Grazing	Category 5. (One or more uses impaired.) TMDL needed. EPA approved a pathogen TMDL that addresses some of the known pollutants on 4/10/06.
TN06010204 020_1000	LITTLE TENNESSEE RIVER	Monroe Blount	1.1	Flow alteration NA	Upstream Impoundment	Category 4c. (Impact not caused by a pollutant). Work to restore flows is ongoing.
TN06010204 042_0100	CENTENARY CREEK	Blount	3.25	Alteration in stream-side or littoral vegetative cover Loss of biological integrity due to siltation Escherichia coli NA NA L	Pasture Grazing	Category 4a. EPA approved siltation/habitat TMDL that addresses some of the known pollutants on 4/19/07.
TN06010204 042_0300	SIXMILE CREEK	Blount	16.4	Escherichia coli L	Pasture Grazing	Category 5. (One or more uses impaired.) TMDL needed.
TN06010204 042_0311	UNNAMED TRIB TO BIG SPRINGS BRANCH	Blount	0.2	Temperature Alterations L	Upstream Impoundment	Category 4c. (Impact not caused by a pollutant.)
TN06010204 042_1000	NINEMILE CREEK	Blount	17.1	Escherichia coli NA	Pasture Grazing Non-irrigated Crop Production	Category 4a. EPA approved a pathogen TMDL that addresses the known pollutants on 4/10/06.
TN06010204 043_0200	BINFIELD BRANCH	Blount	3.9	Escherichia coli L	Pasture Grazing	Category 5. (One or more uses impaired.) TMDL needed.
TN06010204 043_0400	LITTLE BAKER CREEK	Blount	6.1	Alteration in stream-side or littoral vegetative cover Loss of biological integrity due to siltation Escherichia coli NA NA L	Pasture Grazing	Category 5. One or more uses impaired.) TMDL needed. EPA approved siltation/habitat TMDL that address some of the known pollutants on 4/19/07.
TN06010204 043_1000	BAKER CREEK	Blount Loudon	8.9	Escherichia coli NA	Pasture Grazing	Category 4a. EPA approved pathogen TMDL that addresses some of the known pollutants on 4/10/06.
TN06010204 043_2000	BAKER CREEK	Blount Loudon	9.04	Alteration in stream-side or littoral vegetative cover Escherichia coli NA NA	Pasture Grazing	Category 4a. EPA approved pathogen and siltation/habitat alteration TMDLs that address the known pollutants on 4/10/06 and 4/19/07.

**2016 303(d) LIST (Little Tennessee River Watershed continued)**

<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 044_0100	CANE CREEK	Monroe	29.3	Escherichia coli L	Pasture Grazing	Category 5. (One or more uses impaired.) TMDL needed.
TN06010204 044_1300	SINKHOLE CREEK	Monroe	13.66	Escherichia coli L	Septic Tanks Pasture Grazing	Category 5. (One or more uses impaired.) TMDL needed.
TN06010204 045_1000	NOTCHY CREEK	Monroe	11.2	Escherichia coli NA	Pasture Grazing	Category 4a. EPA approved a pathogen TMDL at addresses the known pollutant on 4/10/06.
TN06010204 056_0150	LAUREL CREEK	Monroe	0.47	Flow alteration NA	Upstream Impoundment	Category 4c. (Impairments not caused by a pollutant.
TN06010204 056_1000	BIG CREEK	Monroe	14.65	Escherichia coli L	Pasture Grazing	Category 5. (One or more uses impaired.) TMDL needed.
TN06010204 065_1000	ISLAND CREEK	Monroe	10.0	Escherichia coli L	Pasture Grazing	Category 5. (One or more uses impaired.) TMDL needed.

**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 001_1000	NORRIS RESERVOIR (Clinch River portion only)	Campbell Union	23,198 ac	Mercury L	Atmospheric Deposition	Category 5. (One or more uses impaired.) TMDL needed.
TN06010205 001T_0200	CUCKLE CREEK	Campbell	6.89	Loss of biological integrity due to siltation NA	Pasture Grazing Sand/Gravel/Rock Quarry	Category 4a. EPA approved siltation TMDL that address the known pollutants on 8/25/2016.
TN06010205 001T_1400	FALL CREEK	Union	5.6	Loss of biological integrity due to siltation NA Alteration in stream-side or littoral vegetative cover L	Pasture Grazing	Category 5. (One or more uses impaired.) TMDL needed. EPA approved siltation TMDL that address the known pollutants on 8/25/2016.
TN06010205 013_0200	UNNAMED TRIB TO CLINCH RIVER	Hancock	1.22	Alteration in stream-side or littoral vegetative cover L	Pasture Grazing	Category 5. (One or more uses impaired.) TMDL needed.
TN06010205 013_0600	RHEA BRANCH	Hancock	1.44	Alteration in stream-side or littoral vegetative cover L	Pasture Grazing	Category 5. (One or more uses impaired.) TMDL needed.

**2016 303(d) LIST (Upper Clinch River Watershed continued)**

<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_0800	GREASY ROCK CREEK	Hancock	5.67	Alteration in stream-side or littoral vegetative cover Escherichia coli L NA	Pasture Grazing Land Development	Category 5. (One or more uses impaired.) TMDL needed. EPA approved a pathogen TMDL that addresses some of the known pollutants on 5/13/10.
TN06010205 013_1120	EAST FORK PANTHER CREEK	Hancock	5.22	Escherichia coli NA	Pasture Grazing	Category 4a. EPA approved a pathogen TMDL that addresses the known pollutant on 5/13/10.
TN06010205 013_1200	DAVIS BRANCH	Hancock	2.22	Alteration in stream-side or littoral vegetative cover L	Nonirrigated Crop Production	Category 5. (One or more uses impaired.) TMDL needed.
TN06010205 014_0500	FLAT GAP CREEK	Hancock Hawkins	1.0	Zinc L	Mine Tailings	Category 5. (One or more uses impaired.) TMDL needed.
TN06010205 016_0100	UNNAMED TRIB TO CLINCH RIVER	Hancock	0.96	Escherichia coli NA	Pasture Grazing	Category 4a. EPA approved a pathogen TMDL that addresses the known pollutant.
TN06010205 016_1000	CLINCH RIVER	Hancock	16.88	Threatened by loss of native mussel species. L  Threatened status.  TMDL priority: High		Tennessee concerned about loss of mussel species from a stream that is one of the most important repositories for listed mussel species in the nation. EPA assistance needed to identify pollutants and control strategies.
TN06010205 061_1000	LITTLE SYCAMORE CREEK	Claiborne	18.7	Total Phosphorus Alteration in stream-side or littoral vegetative cover Escherichia coli L L L	Pasture Grazing	Category 5. (One or more uses impaired.) TMDLs needed.
TN06010205 064_0110	THOMPSON CREEK	Campbell	5.14	Low pH NA	Abandoned Mining	Category 4a. EPA approved a pH TMDL that addresses the known pollutant on 5/4/09.
TN06010205 064_1000	BIG CREEK	Campbell	1.2	Biological integrity loss due to undetermined cause M Nitrate+Nitrite M	Municipal Point Source	Category 5. (One or more uses impaired.) TMDL seeded.
TN06010205 064_2000	BIG CREEK	Campbell	1.9	Nitrate+Nitrite M Escherichia coli H	Urbanized High Density Area	Category 5. (One or more uses impaired.) TMDLs needed.
TN06010205 COVELAKE T_0100	BRUCE CREEK	Campbell	4.8	Physical Substrate Habitat Alterations L	Coal Mining Discharges (Permitted)	Category 5. (One or more uses impaired.) TMDL needed.

**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_0100	OLD TOWN CREEK	Claiborne	14.49	Escherichia coli L	Pasture Grazing	Category 5. (One or more uses impaired.) TMDL needed.
TN06010206 006_0150	OLD TOWN CREEK	Claiborne	6.27	Loss of biological integrity due to siltation H Alteration in stream-side or littoral vegetative cover H	Pasture Grazing	Category 5. (One or more uses impaired.) TMDLs needed.
TN06010206 006_0250	GAP CREEK	Claiborne	6.76	Total Phosphorus M Escherichia coli NA	Municipal Point Source Collection System Failure	Category 5. (One or more uses impaired.) TMDL needed. EPA approved a pathogen TMDL addresses some of the known pollutants on 10/15/08. (This segment was included in _0200 in TMDL.)
TN06010206 006_0310	UNNAMED TRIB TO BLAIRS CREEK	Claiborne	1.69	Loss of biological integrity due to siltation H	Hwy/Road/Bridge Construction	Category 5. (One or more uses impaired.) TMDL needed.
TN06010206 007_0100	LITTLE CREEK	Claiborne	9.4	Escherichia coli NA	Septic Tanks	Category 4a. EPA approved a pathogen TMDL that addresses the known pollutant on 10/15/08.
TN06010206 007_0800	MULBERRY CREEK	Hancock	26.6	Escherichia coli NA	Pasture Grazing	Category 4a. EPA approved a pathogen TMDL that addresses the known pollutant on 10/15/08. (This segment was identified as _0700 in TMDL.)
TN06010206 007_0810	LITTLE MULBERRY CREEK	Claiborne Hancock	4.0	Escherichia coli NA	Pasture Grazing	Category 4a. EPA approved a pathogen TMDL that addresses the known pollutant on 10/15/08. (This segment was identified as _0710 in TMDL.)
TN06010206 007_2000	POWELL RIVER	Hancock	12.88	Loss of Native Mussel Species L Unknown Toxicity L	Source in Other State	Category 5. (One or more uses impaired.) TMDLs needed.
TN06010206 008_1000	RUSSELL CREEK	Claiborne	8.1	Nitrate+Nitrite L Total Phosphorus L Escherichia coli NA	Municipal Point Source Urbanized High Density Area Collection System Failure Pasture Grazing	Category 5. (One or more uses impaired.) TMDLs needed. EPA approved a pathogen TMDL that addresses some of the known pollutants on 10/15/08.

**2016 303(d) LIST (Powell River Watershed continued)**

<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 008_2000	RUSSELL CREEK	Claiborne	7.0	Nitrate+Nitrite Loss of biological integrity due to siltation L H	Municipal Point Source Urbanized High Density Area Pasture Grazing	Category 5. (One or more uses impaired.) TMDLs needed. Tazewell area impacts.
TN06010206 026_0100	CAWOOD BRANCH	Claiborne	5.2	Alteration in stream-side or littoral vegetative cover Nitrate+Nitrite Total Phosphorus Escherichia coli H L L NA	Pasture Grazing	Category 5. (One or more uses impaired.) TMDLs needed. EPA approved a pathogen TMDL that addresses the known pollutant on 10/15/08.
TN06010206 026_0200	RUSSELL BRANCH	Claiborne	3.5	Nitrate+Nitrite Loss of biological integrity due to siltation Physical Substrate Habitat Alterations Escherichia coli M H H NA	Pasture Grazing	Category 5. (One or more uses impaired.) TMDL needed. EPA approved a pathogen TMDL that addresses some of the known pollutants on 10/15/08.
TN06010206 026_1000	DAVIS CREEK	Campbell Claiborne	8.0	Escherichia coli NA	Pasture Grazing	Category 4a. EPA approved a pathogen TMDL that addresses the known pollutant on 10/15/08.
TN06010206 026_2000	DAVIS CREEK	Claiborne	5.1	Escherichia coli NA	Pasture Grazing	Category 4a. EPA approved a pathogen TMDL that addresses the known pollutant on 10/15/08.
TN06010206 026_3000	DAVIS CREEK	Claiborne	3.6	Nitrate+Nitrite Loss of biological integrity due to siltation Escherichia coli L H NA	Animal Feeding Operations Pasture Grazing	Category 5. (One or more uses impaired.) TMDLs needed. EPA approved a pathogen TMDL that addresses some of the known pollutant on 10/15/08. Dairy operations.
TN06010206 026_4000	DAVIS CREEK	Claiborne	2.6	Nitrate+Nitrite Loss of biological integrity due to siltation Escherichia coli L H NA	Animal Feeding Operations Pasture Grazing	Category 5. (One or more uses impaired.) TMDLs needed. EPA approved a pathogen TMDL that addresses some of the known pollutant on 10/15/08. Dairy operations.
TN06010206 026_5000	DAVIS CREEK	Claiborne	1.5	Escherichia coli NA	Animal Feeding Operations	Category 4a. EPA approved a pathogen TMDL that addresses the known pollutant on 10/15/08.

## Lower Clinch River

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

Waterbody ID	Impacted Waterbody	County	Miles/Acres Impaired	CAUSE / TMDL Priority	Pollutant Source	COMMENTS
TN06010207 001_0100	POPLAR CREEK EMBAYMENT, WATTS BAR RESERVOIR	Roane	153.9 ac	PCBs L Mercury L	Industrial Point Source Contaminated Sediments	<a href="#">Fishing advisory</a> due to PCBs and mercury. Category 5. (One or more uses impaired.) TMDLs needed. DOE Reservation impacts.
TN06010207 001_1000	WATTS BAR RESERVOIR, CLINCH RIVER ARM	Roane	2682 ac	PCBs NA Chlordane NA Mercury L	Industrial Point Source Contaminated Sediments Atmospheric Deposition	<a href="#">Fishing advisory</a> due to PCBs. Category 5. (One or more uses impaired.) TMDL needed. EPA approved a PCB/chlordane TMDL that addresses some of the known pollutants on 3/18/10 DOE Reservation impacts.
TN06010207 004_0100	GRABLE BRANCH	Knox	1.3	Oil & Grease L Loss of biological integrity due to siltation NA Physical Substrate Habitat Alterations NA	Industrial Point Source Channelization Industrial Permitted Runoff Discharges from MS4 area	Category 5. (One or more uses impaired.) TMDL needed. EPA approved a siltation TMDL that addresses some of the known pollutants on 3/29/06. Truck stops near I-40.
TN06010207 006_1000	MELTON HILL RESERVOIR	Anderson Knox Loudon Roane	5690 ac	PCBs NA Chlordane NA	Contaminated Sediment	<a href="#">Fishing advisory</a> due to PCBs and chlordane. Category 4a. EPA approved a PCB/chlordane TMDL that addresses the known pollutants on 8/9/10.
TN06010207 006T_0900	SCARBORO CREEK	Anderson	1.99	Escherichia coli H	MS4	Category 5. (One or more uses impaired.) TMDL needed.
TN06010207 006T_1100	ERNIES CREEK	Anderson	4.1	Escherichia coli H	MS4	Category 5. (One or more uses impaired.) TMDL needed.
TN06010207 011_0200	WILLOW FORK	Knox	5.9	Alteration in stream-side or littoral vegetative cover L Loss of biological integrity due to siltation L Escherichia coli H	Discharges from MS4 area	Category 5. (One or more uses impaired.) TMDLs needed.
TN06010207 011_0500	HINES BRANCH	Knox	3.2	Other anthropogenic substrate alterations NA Escherichia coli H	Discharges from MS4 area	Category 5. (One or more uses impaired.) TMDL needed. EPA approved a siltation/habitat TMDL that addresses some of the known pollutants on 3/29/06.

**2016 303(d) LIST (Clinch River continued)**

<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 011_0600	KNOB FORK	Knox	8.1	Nitrate+Nitrite L Loss of biological integrity due to siltation NA Habitat loss due to other anthropogenic substrate NA Alteration in stream-side or littoral vegetative cover NA Escherichia coli H	Discharges from MS4 area	Category 5. (One or more uses impaired.) TMDL needed. EPA approved a siltation/habitat TMDL that address some of the known pollutants on 3/29/06.
TN06010207 011_0700	GRASSY CREEK	Knox	8.2	Loss of biological integrity due to siltation NA Escherichia coli H	Discharges from MS4 Area	Category 5. (One or more uses impaired.) TMDL needed. EPA approved a siltation/TMDL that addresses some of the known pollutants on 3/29/06.
TN06010207 011_0800	MEADOW CREEK	Knox	4.96	Escherichia coli H	Discharges from MS4 Area	Category 5. (One or more uses impaired.) TMDL needed.
TN06010207 011_0900	PLUMB CREEK	Knox	5.3	Escherichia coli H	Discharges from MS4 Area	Category 5. (One or more uses impaired.) TMDL needed.
TN06010207 011_1000	BEAVER CREEK	Knox	22.5	Total Phosphorus L Nitrate+Nitrite L Escherichia coli NA Low Dissolved Oxygen L Loss of biological integrity due to siltation NA Physical Substrate Habitat Alterations NA	Municipal Point Source Collection System Failure Pasture Grazing Discharges from MS4 Area	Category 5. (One or more uses impaired.) TMDLs needed. EPA has approved siltation/habitat alteration and pathogen TMDLs that address some of the known pollutants on 3/29/06 and 11/29/05. TMDL Vision Priority Watershed
TN06010207 011_2000	BEAVER CREEK	Knox	13.7	Escherichia coli H Loss of biological integrity due to siltation NA Physical Substrate Habitat alterations NA	Pasture Grazing Discharges from MS4 Area Collection System Failure	Category 5. (One or more uses impaired.) TMDL needed. EPA has approved siltation/habitat alteration and pathogen TMDLs that address some of the known pollutants on 3/29/06 and 11/29/05.
TN06010207 011_3000	BEAVER CREEK	Knox	7.5	Escherichia coli H Loss of biological integrity due to siltation NA Physical Substrate Habitat alterations NA	Pasture Grazing Discharges from MS4 Area Collection System Failure	Category 5. (One or more uses impaired.) TMDL needed. EPA approved siltation/habitat alteration and pathogen TMDL that addresses one of the known pollutants on 3/29/06 and 11/29/05.

**2016 303(d) LIST (Clinch River continued)**

<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 014_0400	NORTH FORK BULLRUN CREEK	Union	19.0	Escherichia coli      H	Pasture Grazing	Category 5. (One or more uses impaired.) TMDL needed.
TN06010207 014_1000	BULLRUN CREEK	Knox Anderson	11.8	Escherichia coli      NA	Discharges from MS4 Area Pasture Grazing	Category 4a. EPA approved a pathogen TMDL that addresses the known pollutant on 11/29/05.
TN06010207 014_2000	BULLRUN CREEK	Knox Union	15.6	Escherichia coli      H	Discharges from MS4 Area Pasture Grazing	Category 5. (One or more uses impaired.) TMDL needed.
TN06010207 014_3000	BULLRUN CREEK	Union Grainger	11.4	Escherichia coli      NA	Pasture Grazing	Category 4a. EPA approved a pathogen TMDL that addresses the known pollutant on 11/29/05.
TN06010207 016_0100	BUFFALO CREEK	Anderson	19.9	Nitrate+Nitrite      L Total Phosphorus      L Escherichia coli      H	Municipal Point Source Pasture Grazing	Category 5. (One or more uses impaired.) TMDL needed. <b>TMDL Vision Priority Watershed</b>
TN06010207 016_0200	BYRAMS CREEK	Anderson Union	22.4	Escherichia coli      H	Pasture Grazing	Category 5. (One or more uses impaired.) TMDL needed.
TN06010207 016_1000	HINDS CREEK	Anderson	6.7	Escherichia coli      H	Pasture Grazing	Category 5. (One or more uses impaired.) TMDL needed.
TN06010207 016_2000	HINDS CREEK	Anderson	7.1	Escherichia coli      H	Pasture Grazing	Category 5. (One or more uses impaired.) TMDL needed.
TN06010207 016_3000	HINDS CREEK	Anderson Union	8.9	Escherichia coli      NA	Pasture Grazing	Category 4a. EPA has approved a pathogen TMDL that addresses the known pollutants on 11/29/05.
TN06010207 019_1000	CLINCH RIVER	Anderson	14.1	Temperature Alterations      L Flow Alteration      NA	Upstream Impoundment	Category 5. (One or more uses impaired.) TMDL needed. Flow alteration is 4c (Impairment not caused by a pollutant). TVA has taken action to improve flows downstream of the dam.

**2016 303(d) LIST (Clinch River continued)**

<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 019_2000	CLINCH RIVER	Anderson	7.4	Temperature Alterations Flow Alteration L NA	Upstream Impoundment	Category 5. (One or more uses impaired.) TMDL needed. Flow alteration is 4c (Impairment not caused by a pollutant). TVA has taken action to improve flows downstream of the dam. Clinch River below Norris does not meet biocriteria due to rapid temperature and flow changes.
TN06010207 020_0500	COW CREEK	Anderson	6.5	Loss of biological integrity due to siltation L	Off-Road Vehicles	Category 5. (One or more uses impaired.) TMDL needed.
TN06010207 020_1000	POPLAR CREEK	Roane Anderson	26.74	Nitrate+Nitrite Total Phosphorus L L	Municipal Point Source Collection System Failure	Category 5. (One or more uses impaired.) TMDLs needed.
TN06010207 020_1300	MITCHELL BRANCH	Anderson	2.09	Hexavalent Chromium PCBs Physical Substrate Habitat Alterations L L L	CERCLA site Channelization	Category 5. (One or more uses impaired.) TMDLs needed. Category 4b for Hexavalent Chromium and PCBs. A TMDL would not be helpful at the CERCLA ROD is the enforceable control strategy.
TN06010207 026_0600	BEAR CREEK	Roane Anderson	10.87	PCBs Mercury L L	CERCLA site	Category 4b for PCBs and mercury. A TMDL would not be helpful at the CERCLA ROD is the enforceable control strategy.
TN06010207 026_0650	BEAR CREEK	Roane Anderson		Cadmium PCBs Mercury Nitrate+Nitrite L L L L	CERCLA site	Category 5. (One or more uses impaired.) TMDLs needed. Category 4b for Cadmium, PCBs, and Mercury. A TMDL would not be helpful at the CERCLA ROD is the enforceable control strategy.

2016 303(d) LIST (Clinch River continued)

Waterbody ID	Impacted Waterbody	County	Miles/Acres Impaired	CAUSE /TMDL Priority	Pollutant Source	COMMENTS
TN06010207 026_1000	EAST FORK POPLAR CREEK	Roane	9.7	PCBs L Mercury L Escherichia coli NA Loss of biological integrity due to siltation NA Nitrate+Nitrite L Total Phosphorus L	Industrial Point Source Municipal Point Source Contaminated Sediments Collection System Failure  MS4	<a href="#">Fishing advisory</a> due to mercury and PCBs. Category 5. (One or more uses impaired.) TMDLs needed. EPA approved siltation and pathogen TMDLs that address some of the known pollutants on 3/29/06 and 11/29/05. Impacted by releases at DOE's Oak Ridge facilities (K-25, Y-12, and ORNL). Bacteria levels are also elevated due to sources in the Oak Ridge area.
TN06010207 026_2000	EAST FORK POPLAR CREEK	Anderson Roane	11.3	PCBs L Mercury L Escherichia coli NA Loss of biological integrity due to siltation NA Nutrients L Other Anthropogenic Habitat Alterations L	Industrial Point Source Contaminated Sediments  MS4	Category 5. (One or more uses impaired.) TMDL needed. EPA approved siltation and pathogen TMDLs that address some of the known pollutants on 3/29/06 and 11/29/05.
TN06010207 029_1000	COAL CREEK	Anderson	10.9	Total Phosphorus L Escherichia coli NA	Municipal Point Source	Category 5. (One or more uses impaired.) TMDL needed. EPA approved a pathogen TMDL that addresses some of the known pollutants on 11/29/05.
TN06010207 029_2000	COAL CREEK	Anderson	15.0	Escherichia coli H	Septic Tanks	Category 5. (One or more uses impaired.) TMDL needed.
TN06010207 247_0100	MELTON BRANCH	Roane	2.0	Strontium NA	CERCLA site	Category 4b. A TMDL would not be helpful as the CERCLA ROD is the enforceable control strategy here.
TN06010207 247_1000	WHITEOAK CREEK	Anderson	5.3	Cesium NA Strontium NA Biological integrity loss due to undetermined cause L	CERCLA site	Category 5. (One or more uses impaired.) TMDL needed. Category 4b for strontium and cesium. A TMDL would not be helpful as the CERCLA ROD is the enforceable control strategy here.

**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	283.36 ac	Mercury L PCBs NA Chlordane NA	Industrial Point Source Atmospheric Deposition Contaminated Sediments	<a href="#">Fishing advisory</a> . Category 5. (One or more uses impaired.) TMDL needed. EPA approved PCB and chlordane TMDLs that address some of the known pollutants on 3/18/10. (This segment was included in _1000 in TMDL.)
TN06010208 001_2000	WATTS BAR RESERVOIR, EMORY RIVER ARM	Roane	454.98 ac	Mercury L PCBs NA Chlordane NA	Atmospheric Deposition Contaminated Sediments	<a href="#">Fishing advisory</a> is due to PCBs. Category 5. (One or more uses impaired.) TMDL needed. EPA approved PCB and chlordane TMDLs that address some of the known pollutants on 3/18/10. (This segment was included in _1000 in TMDL.)
TN06010208 001_3000	WATTS BAR RESERVOIR, EMORY RIVER ARM	Roane	362.64 ac	Mercury L PCBs NA Chlordane NA	Atmospheric Deposition Contaminated Sediments	<a href="#">Fishing advisory</a> . Category 5. (One or more uses impaired.) TMDL needed. Approved chlordane and PCB TMDLs address some of the known pollutants on 3/18/10. (This segment was included in _1000 in TMDL.)
TN06010208 001_4000	EMORY RIVER	Roane Morgan	13.93	Mercury L	Atmospheric Deposition	<a href="#">Fishing advisory</a> . Category 5. One or more uses impaired.) TMDL needed.
TN06010208 004_0100	MUD CREEK	Morgan	5.4	Alteration in stream-side or littoral vegetative cover NA	Pasture Grazing	Category 4a. EPA approved a habitat alteration TMDL that addresses the known pollutant on 07/31/06.
TN06010208 004_0200	FLAT FORK	Morgan	3.7	Nitrate+Nitrite L Physical Substrate Habitat NA Alterations NA Loss of biological integrity due to siltation NA	Pasture Grazing Channelization	Category 5. (One or more uses impaired.) TMDL needed. EPA approved a siltation/habitat alteration TMDL that addresses some of the known pollutants on 7/31/06. <b>TMDL Vision Priority Watershed</b>

2016 303(d) LIST (Emory River Watershed continued)

Waterbody ID	Impacted Waterbody	County	Miles/Acres Impaired	CAUSE / TMDL Priority	Pollutant Source	COMMENTS
TN06010208 004_0400	SUMMERS BRANCH	Morgan	5.0	Loss of biological integrity due to siltation NA	Abandoned Mining	Category 4a. EPA approved a siltation/habitat TMDL that addresses the known pollutants on 7/31/06.
TN06010208 004_1000	CROOKED FORK	Morgan	6.9	Nitrate+Nitrite Low Dissolved Oxygen L L	Municipal Point Source Pasture Grazing	Category 5. (One or more uses impaired.) TMDLS needed. <b>TMDL Vision Priority Watershed</b>
TN06010208 004_2000	CROOKED FORK	Morgan	16.7	Physical Substrate Habitat Alterations Loss of biological integrity due to siltation NA NA	Abandoned Mining Channelization	Category 4a. EPA approved a siltation/habitat TMDL that addresses the known pollutants on 7/31/06.
TN06010208 007_0210	SCANTLING BRANCH	Cumberland	1.98	Low Dissolved Oxygen Flow Alteration L NA	Upstream Impoundment	Category 5. (One or more uses impaired.) TMDL needed. Flow alteration is 4c (Impairment not caused by a pollutant.)
TN06010208 007_2000	OBED RIVER	Morgan Cumberland	15.4	Total Phosphorus Nitrate+Nitrite L L	Municipal Point Source Discharges from MS4 area Pasture Grazing	Category 5. (One or more uses impaired.) TMDLS needed. Outstanding National Resource Water and National Wild and Scenic River now impacted by excessive nutrients from Crossville area. Provides habitat for the listed Tangerine darter ( <i>Percina aurantiaca</i> ) and Spotfin chub ( <i>Cyprinella monacha</i> ).
TN06010208 008_2000	CLEAR CREEK	Morgan	1.41	Oil L	Petroleum Activities	Category 5. (One or more uses impaired.) TMDL needed. Provides habitat for the listed Spotfin chub ( <i>Cyprinella monacha</i> ) and Tangerine darter ( <i>Percina aurantiaca</i> ). Oil spill in this section of the Obed National Wild and Scenic River.
TN06010208 013_0200	LITTLE OBED RIVER	Cumberland	7.96	Total Phosphorus Nitrate+Nitrite Loss of biological integrity due to siltation Escherichia coli L L L	Discharges from MS4 area Collection System Failure	Category 5. (One or more uses impaired.) TMDLS needed.

**2016 303(d) LIST (Emory River Watershed continued)**

<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 013_0400	DROWNING CREEK	Cumberland	13.1	Loss of biological integrity due to siltation NA	Pasture Grazing	Category 4a. EPA approved a siltation TMDL that addresses the known pollutants on 7/31/06.
TN06010208 013_0420	COPELAND CREEK	Cumberland	20.4	Loss of biological integrity due to siltation NA	Pasture Grazing	Category 5. (One or more uses impaired.) TMDLs needed.
TN06010208 013_1000	OBED RIVER	Cumberland	14.5	Nitrate+Nitrite Total Phosphorus L L	Municipal Point Source Discharges from MS4 area	Category 5. (One or more uses impaired.) TMDLS needed. Federally-listed species have been documented downstream of this section, in the Wild and Scenic River section.
TN06010208 013_2000	OBED RIVER	Cumberland	1.48	Flow Alteration Physical Substrate Habitat Alterations NA NA	Discharges from MS4 area Upstream Impoundment	Category 4a. Flow alteration is 4c (Impairment not caused by a pollutant). EPA approved a habitat alteration TMDL that addresses the known pollutant on 7/31/06. Below Lake Holiday near Crossville.
TN06010208 015_0600	LICK CREEK	Cumberland	12.5	Low Dissolved Oxygen Flow Alteration L NA	Upstream Impoundment	Category 5. (One or more uses impaired.) TMDL needed. Flow alteration is 4c (Impairment not caused by a pollutant).
TN06010208 015_0610	LONG BRANCH	Cumberland	2.2	Loss of biological integrity due to siltation Flow Alterations NA NA	Sand/Gravel/Rock Mining Upstream Impoundment	Category 4a. EPA approved a siltation TMDL that addresses the known pollutant on 7/31/06. (This segment was identified as _0510 in TMDL.) Flow alteration is 4c (Impairment not caused by a pollutant).
TN06010208 015_0900	BYRD CREEK	Cumberland	32.01	Low Dissolved Oxygen L	Upstream Impoundment	Category 5. (One or more uses impaired.) TMDL needed.
TN06010208 015_0930	ONE MILE CREEK	Cumberland	8.5	Loss of biological integrity due to siltation Escherichia coli NA L	Land Development Collection System Failure	Category 5. (One or more uses impaired.) TMDL needed. EPA approved a siltation TMDL that addresses some of the known pollutants on 7/31/06. (This segment was identified as _0810 in TMDL.)
TN06010208 015_1111	BAGWELL BRANCH	Cumberland	3.32	Flow Alteration NA	Upstream Impoundment	Category 4c. (Impairment not caused by a pollutant.)

**2016 303(d) LIST (Emory River Watershed continued)**

Waterbody ID	Impacted Waterbody	County	Miles/Acres Impaired	CAUSE / TMDL Priority	Pollutant Source	COMMENTS
TN06010208 015_1150	NORTH CREEK	Cumberland	1.83	Flow Alteration NA	Upstream Impoundment	Category 4c. (Impairment not caused by a pollutant)
TN06010208 015_1410	BLACK GUM BRANCH	Cumberland	1.41	Flow Alteration NA	Upstream Impoundment	Category 4c. (Impairment not caused by a pollutant.)
TN06010208 020_0100	SMITH BRANCH	Morgan	5.4	pH NA	Abandoned Mines	Category 4a. EPA approved a pH TMDL that addresses the known pollutant on 12/17/01.
TN06010208 020_0400	GOLLIHER CREEK	Morgan	5.6	Aluminum L Manganese NA Iron NA pH NA	Abandoned Mines	Category 5. (One or more uses impaired.) TMDL needed. EPA approved pH, manganese and iron TMDLs that address some of the known pollutants on 12/17/01.
TN06010208 020_0500	FAGAN MILL CREEK	Morgan	2.6	Aluminum L Manganese NA pH NA	Abandoned Mines	Category 5. (One or more uses impaired.) TMDL needed. EPA approved pH and manganese TMDLs that address some of the known pollutants on 12/17/01.
TN06010208 020_0600	LITTLE LAUREL CREEK	Morgan	1.32	pH NA	Abandoned Mines	Category 4a. EPA approved a pH TMDL that addresses the known pollutant on 12/17/01. (Identified as Laurel Creek in TMDL.)

**Lower Tennessee Basin**

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

Waterbody ID	Impacted Waterbody	County	Miles/Acres Impaired	CAUSE / TMDL Priority	Pollutant Source	COMMENTS
TN06020001 001_1000	NICKAJACK RESERVOIR	Marion Hamilton	10370.0 ac	PCBs L Dioxins L	Contaminated Sediment	<a href="#">Precautionary fishing advisory</a> for catfish. Category 5. (One or more uses impaired.) TMDL needed. The federally listed fish, the snail darter ( <i>Percina tansi</i> ), has been documented.
TN06020001 001T_0200	NORTH MARKET STREET BRANCH	Hamilton	1.93	Total Phosphorus L Physical Substrate Habitat Alterations L Escherichia coli NA	Discharges from MS4 Area Collection System Failure	Category 5. (One or more uses impaired.) TMDLs needed. EPA approved a pathogen TMDL that addresses some of the known pollutants on 9/27/10.

**2016 303(d) LIST (Lower Tennessee River Watershed continued)**

<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 003_0300	UNNAMED TRIB TO LOOKOUT CREEK	Hamilton	2.0	Unknown Toxicity Escherichia coli	L L	Discharges from MS4 area Collection System Failure	Category 5. (One or more uses impaired.) TMDLs needed.
TN06020001 003_0400	BLACK CREEK	Hamilton	11.35	Alteration in stream-side or littoral vegetative cover Escherichia coli	L L	Discharges from MS4 area	Category 5. (One or more uses impaired.) TMDLs needed.
TN06020001 007_0100	FRIAR BRANCH	Hamilton	18.94	Loss of biological integrity due to siltation Nutrients Physical Substrate Habitat Alteration Escherichia coli	NA L NA NA	Land Development Discharges from MS4 area Collection System Failure	Category 5. (One or more uses impaired.) TMDL needed. EPA approved siltation/habitat and pathogen TMDLs that address some of the known pollutants on 9/25/06 and 9/27/10.
TN06020001 007_0120	UNNAMED TRIB TO FRIAR BRANCH	Hamilton	2.71	Loss of biological integrity due to siltation Alteration in stream-side or littoral vegetative cover	NA NA	Discharges from MS4 area	Category 4a. EPA approved a siltation/habitat TMDL that addresses the known pollutants on 9/25/2006. (Included in segment _ 0100 in TMDL.)
TN06020001 007_0200	UNNAMED TRIB TO SOUTH CHICKAMAUGA CREEK	Hamilton	1.1	Nutrients Escherichia coli Other Anthropogenic Habitat Alteration	L NA L	Collection System Failure Discharges from MS4 area Channelization	Category 5. (One or more uses impaired.) TMDL needed. EPA approved pathogen TMDL that address some of the known pollutants on 9/27/10.
TN06020001 007_0300	MACKEY BRANCH	Hamilton	15.66	Physical Substrate Habitat Alterations Loss of biological integrity due to siltation Escherichia coli	L L NA	Discharges from MS4 Area Collection System Failure	Category 5. (One or more uses impaired.) TMDLs needed. EPA approved a pathogen TMDL for one of the known pollutants on 9/27/10.
TN06020001 007_0510	SPRING CREEK	Hamilton	9.6	Loss of biological integrity due to siltation Escherichia coli	L NA	Discharges from MS4 area Collection System Failure	Category 5. (One or more uses impaired.) TMDL needed. EPA approved a pathogen TMDL that addresses one of the known pollutants on 9/27/10.

**2016 303(d) LIST (Lower Tennessee River Watershed continued)**

<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_1000	SOUTH CHICKAMAUGA CREEK	Hamilton	17.6	Total Phosphorus L Physical Substrate Habitat Alterations NA Escherichia coli NA Loss of biological integrity due to siltation NA	Land Development Discharges from MS4 area Channelization Sources Outside of State Collection System Failure	Category 5. (One or more uses impaired.) TMDL needed. EPA approved pathogen and siltation/habitat TMDLs address some pollutants on 9/27/10 and 9/25/06. Some pollutants from GA. The federally listed fish, the snail darter ( <i>Percina tansi</i> ), has been documented.
TN06020001 020T_0100	RATTAN CREEK	Rhea	4.64	Alteration in stream-side or littoral vegetative cover L	Pasture Grazing	Category 5. (One or more uses impaired.) TMDL needed.
TN06020001 020T_0200	GRASSY BRANCH	Rhea	6.39	Alteration in stream-side or littoral vegetative cover L Escherichia coli L	Pasture Grazing	Category 5. (One or more uses impaired.) TMDLs needed.
TN06020001 020T_0400	LICK BRANCH	Meigs	1.68	Escherichia coli L	Pasture Grazing	Category 5. (One or more uses impaired.) TMDL needed.
TN06020001 020T_0510	UNNAMED TRIB DRY BRANCH	Hamilton Meigs	1.2	Escherichia coli L	Pasture Grazing	Category 5. (One or more uses impaired.) TMDL needed.
TN06020001 020T_0600	PENNY BRANCH	Hamilton	7.14	Escherichia coli L	Pasture Grazing	Category 5. (One or more uses impaired.) TMDL needed.
TN06020001 029_0100	WOLFE BRANCH	Hamilton	6.3	Alteration in stream-side or littoral vegetative cover L Loss of biological integrity due to siltation L Escherichia coli NA	Non-irrigated Crop Production Pasture Grazing	Category 5. (One or more uses impaired.) TMDL needed. EPA approved a pathogen TMDL that addresses one of the known pollutants on 9/27/10.
TN06020001 029_0200	UNNAMED TRIB TO SAVANNAH CREEK	Hamilton	2.89	Loss of biological integrity due to siltation L Nitrate+Nitrite L Total Phosphorus L Escherichia coli NA	Pasture Grazing	Category 5. (One or more uses impaired.) TMDL needed. EPA approved a pathogen TMDL that addresses some of the known pollutants on 9/27/10. (This segment included in _1000 in TMDL.)
TN06020001 029_0400	LEWIS BRANCH	Hamilton	1.5	Loss of biological integrity due to siltation NA Alteration in stream-side or littoral vegetative cover NA Nitrate+Nitrite L Total Phosphorus L Low Dissolved Oxygen L Escherichia coli NA	Concentrated Animal Feeding Operations (Nonpoint) Pasture Grazing	Category 5. (One or more uses impaired.) TMDL needed. EPA approved pathogen and siltation/habitat alteration TMDLs that address some of the known pollutants on 9/27/10 and 9/25/06. (This segment was identified as _0300 in TMDL.)

**2016 303(d) LIST (Lower Tennessee River Watershed continued)**

<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 029_1000	SAVANNAH CREEK	Hamilton	25.36	Escherichia coli NA	Pasture Grazing	Category 4a. EPA approved a pathogen TMDL for the known pollutant on 9/27/10.
TN06020001 038_0100	HARDIN CREEK	Meigs	3.6	Escherichia coli L	Pasture Grazing	Category 5. (One or more uses impaired.) TMDL needed.
TN06020001 038_0200	GOODFIELD CREEK	Meigs	9.7	Escherichia coli L	Pasture Grazing	Category 5. (One or more uses impaired.) TMDL needed.
TN06020001 038_0210	COLDWATER BRANCH	Meigs	6.8	Escherichia coli L	Pasture Grazing	Category 5. (One or more uses impaired.) TMDL needed.
TN06020001 038_1000	DECATUR CREEK	Meigs	16.5	Escherichia coli L	Pasture Grazing Collection System Failure	Category 5. (One or more uses impaired.) TMDL needed.
TN06020001 041_0100	TEN MILE CREEK	Meigs Roane	30.1	Loss of biological integrity due to siltation L Alteration in stream-side or littoral vegetative cover L Total Phosphorus L Escherichia coli L	Pasture Grazing Septic Tanks	Category 5. (One or more uses impaired. TMDLs needed.)
TN06020001 041_0110	HURRICANE CREEK	Meigs Roane	12.9	Dissolved Oxygen L Loss of biological integrity due to siltation L Alteration in stream-side or littoral vegetative cover L Total Phosphorus L Escherichia coli L	Pasture Grazing	Category 5. (One or more uses impaired.) TMDLs needed.
TN06020001 041_0500	LITTLE SEWEE CREEK	Meigs McMinn	22.76	Loss of biological integrity due to siltation L Alteration in stream-side or littoral vegetative cover L Escherichia coli L	Pasture Grazing	Category 5. (One or more uses impaired.) TMDLs needed.
TN06020001 041_0520	BIVENS BRANCH	McMinn	2.2	Low Dissolved Oxygen L Total Phosphorus L Nitrate+Nitrite L Escherichia coli NA	Confined Animal Feeding Operation	Category 5. (One or more uses impaired.) TMDL needed. EPA approved a pathogen TMDL for some of the known pollutants on 9/27/10. (This segment was identified as _0320 in TMDL.)
TN06020001 041_0530	SOUTH FORK LITTLE SEWEE CREEK	Meigs McMinn	11.61	Escherichia coli L	Pasture Grazing	Category 5. (One or more uses impaired.) TMDL needed.
TN06020001 041_0532	COLLINS BRANCH	McMinn	3.27	Escherichia coli L	Pasture Grazing	Category 5. (One or more uses impaired.) TMDL needed. TMDL needed.

**2016 303(d) LIST (Lower Tennessee River Watershed continued)**

<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 041_0600	DAVIS CREEK	Meigs	9.2	Loss of biological integrity due to siltation L Alteration in stream-side or littoral vegetative cover L Escherichia coli L	Pasture Grazing	Category 5. (One or more uses impaired.) TMDLs needed.
TN06020001 041_0700	BLACK ANKLE CREEK	Meigs	9.1	Escherichia coli L	Pasture Grazing	Category 5. (One or more uses impaired.) TMDL needed.
TN06020001 041_0800	DRY FORK CREEK	Meigs	8.0	Loss of biological integrity due to siltation L Alteration in stream-side or littoral vegetative cover L Total Phosphorus L Escherichia coli L	Pasture Grazing	Category 5. (One or more uses impaired.) TMDLs needed.
TN06020001 041_0810	HUTSEL BRANCH	Meigs	4.0	Escherichia coli L	Pasture Grazing	Category 5. (One or more uses impaired.) TMDL needed.
TN06020001 041_1000	SEWEE CREEK	Meigs	15.0	Escherichia coli L	Pasture Grazing	Category 5. (One or more uses impaired.) TMDL needed.
TN06020001 041_2000	BIG SEWEE CREEK	Meigs McMinn	16.2	Escherichia coli L	Pasture Grazing	Category 5. (One or more uses impaired.) TMDL needed.
TN06020001 048_0100	MORGAN CREEK	Rhea	12.8	Loss of biological integrity due to siltation L	Undetermined Source	Category 5. (One or more uses impaired.) TMDL needed.
TN06020001 048_0200	POLEBRIDGE CREEK	Rhea Bledsoe	14.9	Loss of biological integrity due to siltation L	Specialty Crop Production	Category 5. (One or more uses impaired.) TMDL needed.
TN06020001 048_0450	LAUREL CREEK	Rhea	0.63	Flow alteration NA Low Dissolved Oxygen L	Upstream Impoundment	Category 5. (One or more uses impaired.) TMDL needed. Flow alteration is 4c (Impairment not caused by a pollutant). Stream randomly selected for Impounded Streams Study.
TN06020001 049_1000	LITTLE RICHLAND CREEK	Rhea	20.4	Alteration in stream-side or littoral vegetative cover L Physical Substrate Habitat Alterations L Loss of biological integrity due to siltation L	Urbanized High Density Area Channelization	Category 5. (One or more uses impaired.) TMDLs needed.
TN06020001 060_0200	LAUREL BRANCH	Bledsoe	4.65	Bifenthrin L Loss of biological integrity due to siltation L	Irrigated Crop Production	Category 5. (One or more uses impaired.) TMDLs needed.
TN06020001 062_0200	LITTLE POSSUM CREEK	Hamilton Bledsoe	10.7	Loss of biological integrity due to siltation L Unknown toxicity L	Irrigated Crop Production	Category 5. (One or more uses impaired.) TMDLs needed.

**2016 303(d) LIST (Lower Tennessee River Watershed continued)**

<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 062_0300	UNNAMED TRIB TO POSSUM CREEK	Hamilton Bledsoe	5.0	Alteration in stream-side or littoral vegetative cover L	Land Development	Category 5. (One or more uses impaired.) TMDLs needed.
TN06020001 062_1000	POSSUM CREEK	Hamilton Bledsoe	13.19	Unknown Toxicity L	Irrigated Crop Production	Category 5. (One or more uses impaired.) TMDLs needed.
TN06020001 064_0210	SAWMILL CREEK	Sequatchie	7.2	pH L	Upstream Impoundment	Category 5. (One or more uses impaired.) TMDL needed. Channelization and some illegal rock harvesting in this stream.
TN06020001 064_2000	SODDY CREEK	Hamilton Sequatchie	5.75	Loss of biological integrity due to siltation L Unknown toxicity L	Non-irrigated Crop Production Irrigated Crop Production	Category 5. (One or more uses impaired.) TMDLs needed.
TN06020001 067_0100	UNNAMED TRIB TO NORTH CHICKAMAUGA CREEK	Hamilton	4.3	Loss of biological integrity due to siltation NA Other Anthropogenic Habitat Alterations NA Escherichia coli L	Discharges from MS4 Area Land Development	Category 5. (One or more uses impaired.) TMDL needed. EPA approved a siltation/habitat TMDL that addresses some of the known pollutants on 9/25/06. Near Grubb Road
TN06020001 067_0210	NINEMILE BRANCH	Hamilton	4.0	Low Dissolved Oxygen L Physical Substrate Habitat Alterations NA Escherichia coli M	Discharges from MS4 area Channelization	Category 5. (One or more uses impaired.) TMDL needed. EPA approved a habitat alteration TMDL that addresses some of the known pollutants on 4/10/06.
TN06020001 067_0500	BOSTON BRANCH	Hamilton	1.12	Flow alteration NA	Upstream Impoundment	Category 4c. (Impairment not caused by a pollutant.) Randomly selected for the Impounded Streams Study.
TN06020001 067_0600	STANDIFER CREEK	Sequatchie	3.9	pH NA	Abandoned Mining	Category 4a. EPA approved a pH TMDL that addresses the known pollutant on 3/17/05. (This segment was identified as _0400 in TMDL.)
TN06020001 067_1100	HOGSKIN BRANCH	Hamilton	0.77	pH L Iron L Aluminum L	Abandoned Mining	Category 5. (One or more uses impaired.) TMDLs needed.
TN06020001 067_1400	ROGERS BRANCH	Hamilton	1.9	Low dissolved oxygen L Flow alterations NA	Discharges from MS4 area Upstream Impoundment	Category 5 (One or more uses impaired.) TMDL needed. Flow alteration is 4c (Impairment not caused by a pollutant).

**2016 303(d) LIST (Lower Tennessee River Watershed continued)**

<b>Waterbody ID</b>	<b>Impacted Waterbody</b>	<b>County</b>	<b>Miles/Acres Impaired</b>	<b>CAUSE / TMDL Priority</b>	<b>Pollutant Source</b>	<b>COMMENTS</b>
TN06020001 067_2000	NORTH CHICKAMAUGA CREEK	Hamilton	4.08	pH NA	Abandoned Mining	Category 4a. EPA approved a pH TMDL that addresses the known pollutant.
TN06020001 087_1000	SHOAL CREEK	Hamilton	5.4	Escherichia coli NA	Discharges from MS4 Area Septic Tanks Collection System Failure	Category 4a. EPA approved a pathogen TMDL that addresses the known pollutant on 9/27/10.
TN06020001 109_0200	FRUEDENBERG CREEK	Hamilton	1.4	Iron L Low Dissolved Oxygen L pH L	Abandoned Mining	Category 5. (One or more uses impaired.) TMDLs needed.
TN06020001 109_0300	SHORT CREEK	Hamilton	2.5	Escherichia coli NA Nitrate+Nitrite L	Discharges from MS4 Area Septic Tanks	Category 5. (One or more uses impaired.) TMDL needed. EPA approved a pathogen TMDL that addresses some of the known pollutants on 9/27/10. (This segment was identified as _0100 in TMDL.)
TN06020001 109_0400	BEE BRANCH	Hamilton	1.55	Loss of biological integrity due to siltation L Escherichia coli NA	Discharges from MS4 Area Septic Tanks	Category 5. (One or more uses impaired.) TMDL needed. EPA approved a pathogen TMDL for the known pollutants on 9/27/10.
TN06020001 1240_0100	UNNAMED TRIB TO CITICO CREEK	Hamilton	1.2	Low Dissolved Oxygen L Total Phosphorus L Escherichia coli NA Other Anthropogenic Habitat Alterations NA	Collection System Failure Discharges from MS4 area Urbanized High Density Area	<a href="#">Water contact advisory.</a> Orchard Grove area of Chattanooga. Category 5. (One or more uses impaired.) TMDL needed. EPA approved siltation/habitat and pathogen TMDLs address some of the known pollutants on 9/25/06 and 9/27/10. .
TN06020001 1240_1000	CITICO CREEK	Hamilton	6.1	Nitrate+Nitrite L Total Phosphorus L Low dissolved oxygen L Escherichia coli NA Other Anthropogenic Habitat Alterations NA PCBs L	Collection System Failure Discharges from MS4 area Urbanized High Density Area Contaminated Sediment	Category 5. (One or more uses impaired.) TMDL needed. EPA approved pathogen and siltation/habitat TMDLs that address some of the known pollutants on 9/27/10 and 9/25/06.

**2016 303(d) LIST (Lower Tennessee River Watershed continued)**

<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_0100	DOBBS BRANCH	Hamilton	5.3	Unionized Ammonia L Nitrate+Nitrite L Total Phosphorus L Low dissolved oxygen L Escherichia coli NA Other Anthropogenic Habitat Alterations NA	Collection System Failure Urbanized High Density Area	Category 5. (One or more uses impaired.) TMDLs needed. EPA approved pathogen and siltation/habitat TMDLs that address some of the known pollutants on 9/27/10 and 9/25/06.
TN06020001 1244_0200	UNNAMED TRIB TO CHATTANOOGA CREEK	Hamilton	1.4	Loss of biological integrity due to siltation NA Low Dissolved Oxygen L Escherichia coli NA Other Anthropogenic Habitat Alterations NA	Combined Sewer Overflows Urbanized High Density Area Discharges from MS4 Area	Category 5. (One or more uses impaired.) TMDL needed. EPA approved pathogen and siltation/habitat TMDLs that address some of the known pollutants on 9/27/10 and 9/25/06. Near Cedar Hill School.
TN06020001 1244_0300	MCFARLAND SPRINGS BRANCH	Hamilton	1.2	Unknown Toxicity L Escherichia coli NA	Source in Other State	Category 5. (One or more uses impaired.) TMDL needed. EPA approved a pathogen TMDL for some of the known pollutants on 9/27/10. Sources in Rossville.
TN06020001 1244_0400	GILLESPIE SPRINGS BRANCH	Hamilton	1.9	Escherichia coli NA Other Anthropogenic Habitat Alterations NA Unionized Ammonia L Nitrate+Nitrite L	Discharges from MS4 area Urbanized High Density Area	Category 5. (One or more uses impaired.) TMDL needed. EPA approved pathogen and habitat alteration TMDLs that address some of the known pollutants on 9/27/10 and 9/25/06.
TN06020001 1244_1000	CHATTANOOGA CREEK	Hamilton	8.4	PCBs NA Dioxins NA Low dissolved oxygen L Escherichia coli NA Other Anthropogenic Habitat Alterations NA Creosote L	Combined Sewer Overflows Discharges from MS4 area Urbanized High Density Area Contaminated Sediment	Water contact and fishing advisories. Category 5. (One or more uses impaired.) TMDLs needed. EPA approved PCB, dioxin, pathogen and habitat alteration TMDLs that address some of the known pollutants on 7/9/09, 9/27/10 and 9/25/06. Some contaminated sediment removed by Superfund.

**2016 303(d) LIST (Lower Tennessee River Watershed continued)**

<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_2000	CHATTANOOGA CREEK	Hamilton	3.5	Escherichia coli NA	Source in Other State	<a href="#">Water contact advisory.</a> Category 4a. EPA approved a pathogen TMDL that addresses the known pollutant on 9/27/10. Pathogens in this section originate in GA.
TN06020001 421_0100	SOUTH SUCK CREEK	Marion	9.2	pH NA	Abandoned Mining	Category 4a. EPA approved a pH TMDL that addresses the known pollutant on 8/16/06.
TN06020001 426_0200	STRINGERS BRANCH	Hamilton	5.8	Escherichia coli NA Other Anthropogenic NA Habitat Alterations L Nitrate+Nitrite	Collection System Failure Discharges from MS4 area Urbanized High Density Area	<a href="#">Water contact advisory.</a> Category 5. (One or more uses impaired.) TMDL needed. EPA approved pathogen and habitat alteration TMDLs that address some of the known pollutants on 9/27/10 and 9/25/06. Stream heavily culverted.
TN06020001 426_1000	MOUNTAIN CREEK	Hamilton	4.67	Physical Substrate Habitat Alterations NA Escherichia coli NA	Land Development Discharges from MS4 area	Category 4a. EPA approved pathogen and habitat alteration TMDLs that address the known pollutants on 9/27/10 and 9/25/06.
TN06020001 717_1000	YELLOW CREEK	Rhea	14.9	Escherichia coli L	Pasture Grazing	Category 5. (One or more uses impaired.) TMDL needed.
TN06020001 880_1000	ROGERS BRANCH	Hamilton	10.4	Escherichia coli NA	Discharges from MS4 Area	Category 4a. EPA approved a pathogen TMDL for the known pollutant on 9/27/10.
TN06020001 889_0100	LITTLE WOLFTEVER CREEK	Hamilton Bradley	11.9	Escherichia coli NA	Discharges from MS4 Area	Category 4a. EPA approved a pathogen TMDL for the known pollutant on 9/27/10.
TN06020001 889_0300	WILKERSON BRANCH	Hamilton	5.8	Escherichia coli NA	Pasture Grazing	Category 4a. EPA approved a pathogen TMDL for the known pollutant on 9/27/10.
TN06020001 889_0400	HUNTER CREEK	Hamilton	9.2	Alteration in stream-side or littoral vegetative cover L	Discharges from MS4 Area	Category 5. (One or more uses impaired.) TMDL needed.
TN06020001 889_1000	WOLFTEVER CREEK	Hamilton	11.1	Escherichia coli NA	Discharges from MS4 Area Pasture Grazing	Category 4a. EPA approved a pathogen TMDL for the known pollutant on 9/27/10.

## 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	18.46	Escherichia coli NA	Pasture Grazing	Category 4a. EPA approved a pathogen TMDL that addresses the known pollutant on 1/31/06.
TN06020002 001_0200	GUNSTOCKER CREEK	Meigs Bradley Hamilton	25.0	Escherichia coli L Alteration in stream-side or littoral vegetative cover L	Pasture Grazing	Category 5. (One or more uses impaired.) TMDLs needed.
TN06020002 001_2000	HIWASSEE RIVER EMBAYMENT OF CHICKAMAUGA RESERVOIR	Meigs McMinn Bradley	3130 ac	Mercury L	Atmospheric Deposition Industrial Point Source	<a href="#">Fishing advisory</a> due to mercury in largemouth bass. Category 5. (One or more uses impaired.) TMDL needed.
TN06020002 002_0100	SUGAR CREEK	Meigs Bradley	9.0	Escherichia coli L Alteration in stream-side or littoral vegetative cover L Loss of biological integrity due to siltation L Total Phosphorus L Low Dissolved Oxygen L	Pasture Grazing Channelization	Category 5. (One or more uses impaired.) TMDLs needed.
TN06020002 002_1000	LICK CREEK	Meigs Bradley	8.8	Alteration in stream-side or littoral vegetative cover L	Pasture Grazing	Category 5. (One or more uses impaired.) TMDL needed.
TN06020002 005_0100	BLACK FOX CREEK	Bradley	19.55	Loss of biological integrity due to siltation L Alteration in stream-side or littoral vegetative cover L Escherichia coli L	Pasture Grazing	Category 5. (One or more uses impaired.) TMDLs needed.
TN06020002 005_0600	RUNNER BRANCH	Bradley	4.97	Alteration in stream-side or littoral vegetative cover L	Pasture Grazing	Category 5. (One or more uses impaired.) TMDL needed.
TN06020002 005_1000	CANDIES CREEK	Bradley	9.65	Loss of biological integrity due to siltation NA Escherichia coli L	Discharges from MS4 area Pasture Grazing	Category 5. (One or more uses impaired.) TMDL needed. EPA approved a siltation TMDL that addresses some of known pollutants on 1/23/06.

2016 303(d) LIST (Hiwassee River Watershed continued)

Waterbody ID	Impacted Waterbody	County	Miles/Acres Impaired	CAUSE / TMDL Priority	Pollutant Source	COMMENTS
TN06020002 005_1100	BEAVERDAM BRANCH	Bradley	3.07	Loss of biological integrity due to siltation NA Alteration in stream-side or littoral vegetative cover NA Escherichia coli L	Pasture Grazing	Category 5. (One or more uses impaired.) TMDL needed. EPA approved siltation/ habitat TMDLs that address some of the known pollutants on 1/31/06. (This segment was identified as _0900 in TMDL.)
TN06020002 005_1200	UNNAMED TRIB TO CANDIES CREEK	Bradley	1.55	Physical Substrate Habitat Alterations NA Loss of biological integrity due to siltation NA	Pasture Grazing	Category 4a. EPA approved siltation and habitat alteration TMDLs that address the known pollutants on 1/31/06. (This segment was identified as _1100 in TMDL.)
TN06020002 005_1300	UNNAMED TRIB TO CANDIES CREEK	Bradley	0.95	Flow Alteration NA Escherichia coli L	Upstream Impoundment Pasture Grazing	Category 5. (One or more uses impaired.) TMDL needed. Flow alteration is 4c (Impairment is not a pollutant). Construction of new impoundment has changed causes and sources for impairment.
TN06020002 005_2000	CANDIES CREEK	Bradley	16.32	Physical Substrate Habitat Alterations NA Loss of biological integrity due to siltation NA Alteration in stream-side or littoral vegetative cover NA Escherichia coli L	Discharges from MS4 area Pasture Grazing Streambank Modifications Land Development	Category 5. (One or more uses impaired.) TMDL needed. EPA has approved siltation/habitat TMDLs that address some of the known pollutants on 1/31/06.
TN06020002 005_3000	CANDIES CREEK	Bradley	9.51	Loss of biological integrity due to siltation NA Alteration in stream-side or littoral vegetative cover NA Escherichia coli L	Pasture Grazing	Category 5. (One or more uses impaired.) TMDL needed. EPA approved siltation/habitat TMDL that addresses some of the known pollutants on 1/31/06.
TN06020002 008_0100	BACON BRANCH	Bradley	3.36	Unionized Ammonia L Low Dissolved Oxygen L Total Phosphorus L Loss of biological integrity due to siltation L Alteration in stream-side or littoral vegetative cover L Escherichia coli L	Animal Feeding Operations	Category 5. (One or more uses impaired.) TMDLs needed.

2016 303(d) LIST (Hiwassee River Watershed continued)

Waterbody ID	Impacted Waterbody	County	Miles/Acres Impaired	CAUSE / TMDL Priority	Pollutant Source	COMMENTS
TN06020002 008_0200	UNNAMED TRIB TO HIWASSEE RIVER	Bradley	2.62	Alteration in stream-side or littoral vegetative cover L	Pasture Grazing Municipal High Density Area	Category 5. (One or more uses impaired.) TMDL needed.
TN06020002 008_1000	HIWASSEE RIVER EMBAYMENT OF CHICKAMAUGA RESERVOIR	Bradley McMinn	1050 ac	Escherichia coli NA Mercury L	Undetermined Source Industrial Point Source Atmospheric Deposition	<a href="#">Fishing advisory</a> due to mercury. Category 5. (One or more uses impaired.) TMDL needed. EPA has approved a pathogen TMDL that addresses some of the known pollutants on 1/23/06.
TN06020002 008_2000	HIWASSEE RIVER EMBAYMENT OF CHICKAMAUGA RESERVOIR	Bradley McMinn	505 ac	Mercury L	Industrial Point Source Atmospheric Deposition	<a href="#">Fishing advisory</a> due to mercury. Category 5. (One or more uses impaired.) TMDL needed.
TN06020002 009_0100	LITTLE SOUTH MOUSE CREEK	Bradley	7.3	Alteration in stream-side or littoral vegetative cover L Loss of biological integrity due to siltation L	Pasture Grazing Channelization	Category 5. (One or more uses impaired.) TMDLs needed.
TN06020002 009_0200	FILLAUER CREEK	Bradley	7.4	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	Category 4a. EPA approved pathogen and siltation/habitat TMDLs that address the known pollutants on 1/23/06 and 1/31/06.
TN06020002 009_0300	WOOLEN MILL BRANCH	Bradley	3.92	Low Dissolved Oxygen L Alteration in stream-side or littoral vegetative cover NA Nutrients L Escherichia coli NA	Discharges from MS4 area Industrial Stormwater Discharges Collection System Failure	Multiple fish kills due to sewage overflows. Category 5. (One or more uses impaired.) TMDLs needed. EPA approved pathogen and habitat alteration TMDLs that addresses some of the known pollutants on 1/23/06 and 1/31/06.
TN06020002 009_1000	SOUTH MOUSE CREEK	Bradley	12.1	Escherichia coli L	Discharges from MS4 area Pasture Grazing Collection System Failure	Category 5. (One or more uses impaired.) TMDL needed.
TN06020002 009_2000	SOUTH MOUSE CREEK	Bradley	6.5	Loss of biological integrity due to siltation NA Physical Substrate Habitat Alterations NA Escherichia coli NA	Discharges from MS4 area Collection System Failure Channelization	Category 4a. EPA approved pathogen and siltation/ habitat TMDLs that address the known pollutants on 1/23/06 and 1/31/06.
TN06020002 012_0100	FIVE MILE BRANCH	Bradley	4.02	Alteration in stream-side or littoral vegetative cover L	Golf Courses Pasture Grazing	Category 5. (One or more uses impaired.) TMDL needed.

2016 303(d) LIST (Hiwassee River Watershed continued)

Waterbody ID	Impacted Waterbody	County	Miles/Acres Impaired	CAUSE / TMDL Priority	Pollutant Source	COMMENTS	
TN06020002 012_0200	LITTLE CHATATA CREEK	Bradley	14.3	Loss of biological integrity due to siltation Alteration in stream-side or littoral vegetative cover Escherichia coli	NA NA NA	Discharges from MS4 area Pasture Grazing Animal Feeding Operations Collection System Failure	Category 4a. EPA has approved pathogen and siltation/habitat TMDLs that address the known pollutants on 1/23/06 and 1/31/06.
TN06020002 012_0300	RATTLESNAKE BRANCH	Bradley	2.98	Nitrate+Nitrite Alteration in stream-side or littoral vegetative cover Escherichia coli	L L L	Pasture Grazing Animal Feeding Operations	Category 5 (One or more uses impaired.) TMDLs needed.
TN06020002 012_1000	CHATATA CREEK	Bradley	19.62	Loss of biological integrity due to siltation Physical Substrate Habitat Alterations Escherichia coli	NA NA NA	Discharges from MS4 area Pasture Grazing Animal Feeding Operations	Category 4a. EPA has approved pathogen and siltation/habitat TMDLs that address the known pollutants on 1/23/06 and 1/31/06.
TN06020002 014_1000	SOUTH CHESTUEE CREEK	Bradley	8.77	Escherichia coli	L	Pasture Grazing	Category 5. (One or more uses impaired.) TMDL needed.
TN06020002 014_2000	SOUTH CHESTUEE CREEK	Bradley	9.81	Loss of biological integrity due to siltation Escherichia coli	L L	Pasture Grazing	Category 5. (One or more uses impaired.) TMDLs needed.
TN06020002 018_0200	DAIRY BRANCH	Polk	1.78	Flow Alterations Escherichia coli	NA NA	Upstream Impoundment Pasture Grazing	Category 4a. EPA approved a pathogen TMDL that addresses the known pollutant on 1/23/06. Flow alteration is 4c (impairment not a pollutant).
TN06020002 018_0300	SICCOWEE BRANCH	Polk	3.23	Escherichia coli	L	Undetermined Source	Category 5. (One or more uses impaired.) TMDL needed.
TN06020002 018_0550	SPRING CREEK	Monroe	7.01	Loss of biological integrity due to siltation	L	Pasture Grazing	Category 5. (One or more uses impaired.) TMDL needed.
TN06020002 018_0950	COKER CREEK	Monroe	2.67	Loss of biological integrity due to siltation	L	Dredge Mining	Category 5. (One or more uses impaired.) TMDL needed.
TN06020002 018_2000	HIWASSEE RIVER	Polk	10.9	Flow Alteration Temperature Alteration	NA L	Hydrostructure Flow Regulation	Category 5. (One or more uses impaired.) TMDL needed. Category 4c. (Impairment not caused by a pollutant.) Provides habitat for the federally listed Cumberland bean pearly mussel ( <i>Villosa trabilis</i> ), plus the tan riffleshell, snail darter, and Ruth's Golden Aster.

2016 303(d) LIST (Hiwassee River Watershed continued)

Waterbody ID	Impacted Waterbody	County	Miles/Acres Impaired	CAUSE / TMDL Priority	Pollutant Source	COMMENTS
TN06020002 018_3000	HIWASSEE RIVER	Polk	5.9	Flow Alteration NA	Upstream Impoundment	Category 4c. (Impairment not caused by a pollutant.) Habitat for the federally listed Cumberland bean pearly mussel ( <i>Villosa trabalis</i> ). Section between Appalachia Dam and Powerhouse impacted by flow diversions.
TN06020002 018_4000	HIWASSEE RIVER	Polk	5.5	Flow Alteration NA	Upstream Impoundment	Category 4c. (Impairment not caused by a pollutant.) Habitat for the federally listed Cumberland bean pearly mussel ( <i>Villosa trabalis</i> ). Section between Appalachia Dam and Powerhouse impacted by flow diversions
TN06020002 081_0100	CANE CREEK	McMinn	13.7	Escherichia coli NA	Collection System Failure Pasture Grazing	Category 4a. EPA approved a pathogen TMDL for the known pollutant, on 5/21/03.
TN06020002 081_0150	CANE CREEK	McMinn	7.0	Alteration in stream-side or littoral vegetative cover L	Pasture Grazing	Category 5. (One or more uses impaired.) TMDL needed.
TN06020002 081_0700	DRY CREEK	Monroe	11.12	Alteration in stream-side or littoral vegetative cover L	Pasture Grazing	Category 5. (One or more uses impaired.) TMDL needed.
TN06020002 081_1000	CONASAUGA CREEK	McMinn Monroe	33.99	Alteration in stream-side or littoral vegetative cover NA Loss of biological integrity due to siltation NA	Municipal Urbanized Area Pasture Grazing	Category 4a. EPA approved a siltation/habitat alteration TMDL that addresses the known pollutants on 1/31/2006.
TN06020002 082_0300	MIDDLE CREEK	McMinn Monroe	15.5	Alteration in stream-side or littoral vegetative cover L Escherichia coli L	Collection System Failure Pasture Grazing	Pathogens impact both recreation and the use of the creek as a domestic water supply. Category 5. (One or more uses impaired.) TMDLs needed.
TN06020002 082_0800	CARSON BRANCH	McMinn Monroe	1.59	Flow Alteration NA	Upstream Impoundment	Category 4c. (Impairment not caused by a pollutant.).

2016 303(d) LIST (Hiwassee River Watershed continued)

Waterbody ID	Impacted Waterbody	County	Miles/Acres Impaired	CAUSE / TMDL Priority	Pollutant Source	COMMENTS
TN06020002 082_0900	LITTLE CHESTUEE CREEK	McMinn Monroe	13.3	Alteration in stream-side or littoral vegetative cover Escherichia coli L NA	Concentrated Animal Feeding Operation (CAFO) Pasture Grazing	Category 5. (One or more uses impaired.) TMDL needed EPA approved a pathogen TMDL that addresses the known pollutant 1/23/06. (This segment was identified as _0200 in TMDL.)
TN06020002 082_1100	BURGER BRANCH	McMinn	6.4	Alteration in stream-side or littoral vegetative cover L	Pasture Grazing	Category 5. (One or more uses impaired.) TMDL needed.
TN06020002 082_1200	TOM FOEMAN CREEK	McMinn	13.1	Escherichia coli L	Pasture Grazing	Category 5. (One or more uses impaired.) TMDL needed.
TN06020002 082_1300	BIG FOOT CREEK	McMinn	16.0	Escherichia coli L	Pasture Grazing	Category 5. (One or more uses impaired.) TMDL needed.
TN06020002 082_2000	CHESTUEE CREEK	McMinn Monroe	17.9	Escherichia coli NA	Pasture Grazing	Category 4a. EPA approved a pathogen TMDL that addresses the known pollutant on 1/23/06.
TN06020002 083_0300	CEDAR SPRINGS BRANCH	McMinn	4.61	Alteration in stream-side or littoral vegetative cover L	Pasture Grazing Discharges from MS4 Area	Category 5. (One or more uses impaired.) TMDL needed.
TN06020002 083_0400	SOKEY BRANCH	McMinn	2.32	Alteration in stream-side or littoral vegetative cover Loss of biological integrity due to siltation L L	Discharges from MS4 Area	Category 5. (One or more uses impaired.) TMDLs needed.
TN06020002 083_0500	BLACK BRANCH	McMinn	1.98	Alteration in stream-side or littoral vegetative cover Loss of biological integrity due to siltation Escherichia coli L L L	Pasture Grazing	Category 5. (One or more uses impaired.) TMDLs needed.
TN06020002 083_0510	WALKER BRANCH	McMinn	1.8	Alteration in stream-side or littoral vegetative cover Escherichia coli L L	Pasture Grazing Discharges from MS4 Area	Category 5. (One or more uses impaired.) TMDLs needed.
TN06020002 083_1000	OOSTANAULA CREEK	McMinn	5.7	Alteration in stream-side or littoral vegetative cover Loss of biological integrity due to siltation Escherichia coli L L NA	Pasture Grazing	Category 5. (One or more uses impaired.) TMDLs needed. EPA approved a pathogen TMDL that addresses the known pollutant on 1/23/06.
TN06020002 083_2000	OOSTANAULA CREEK	McMinn	21.1	Escherichia coli NA	Pasture Grazing	Category 4a. EPA approved a pathogen TMDL that addresses the known pollutant on 1/23/06.

2016 303(d) LIST (Hiwassee River Watershed continued)

Waterbody ID	Impacted Waterbody	County	Miles/Acres Impaired	CAUSE / TMDL Priority	Pollutant Source	COMMENTS
TN06020002 083_3000	OOSTANAULA CREEK	McMinn	7.4	Nitrate+Nitrite L Total Phosphorus L Loss of biological integrity due to siltation NA Escherichia coli NA	Municipal Point Source Discharge Discharges from MS4 area	Category 5. (One or more uses impaired.) TMDLs needed. EPA approved pathogen and siltation TMDLs that address some of the known pollutants on 1/23/06 and 1/31/06.
TN06020002 083_4000	OOSTANAULA CREEK	McMinn	8.5	Escherichia coli NA	Pasture Grazing	Category 4a. EPA approved a pathogen TMDL that addresses the known pollutant on 1/23/06.
TN06020002 083_5000	OOSTANAULA CREEK	Monroe	6.2	Escherichia coli NA	Pasture Grazing	Category 4a. EPA approved a pathogen TMDL that addresses the known pollutant on 1/23/06.
TN06020002 084_0100	BLUE SPRING BRANCH	McMinn	5.3	Alteration in stream-side or littoral vegetative cover L Loss of biological integrity due to siltation L	Discharges from MS4 area	Category 5. (One or more uses impaired.) TMDLs needed.
TN06020002 084_0200	LATHAM SPRING BRANCH	McMinn	9.0	Escherichia coli L	Pasture Grazing	Category 5. (One or more uses impaired.) TMDL needed.
TN06020002 084_0400	LITTLE NORTH MOUSE CREEK	McMinn	8.5	Total Phosphorus L Nitrate+Nitrite L	Municipal Point Source Pasture Grazing	Category 5. (One or more uses impaired.) TMDLs needed.
TN06020002 084_0500	DRY VALLEY CREEK	McMinn	13.3	Escherichia coli L	Pasture Grazing	Category 5. (One or more uses impaired.) TMDL needed.
TN06020002 084_1000	NORTH MOUSE CREEK	McMinn	22.61	Total Phosphorus L Alteration in stream-side or littoral vegetative cover L Loss of biological integrity due to siltation L Escherichia coli NA	Municipal Point Source Pasture Grazing Discharges from MS4 area	Category 5. (One or more uses impaired.) TMDLs needed. EPA approved a pathogen TMDL that addresses some of the known pollutants on 1/23/06.
TN06020002 084_2000	NORTH MOUSE CREEK	McMinn	15.61	Total Phosphorus L Alteration in stream-side or littoral vegetative cover L Escherichia coli NA	Pasture Grazing	Category 5. (One or more uses impaired.) TMDLs needed. EPA approved pathogen TMDL that addresses some of the known pollutants on 1/23/06. (This segment was included in _1000 in TMDL.)
TN06020002 085_1000	SPRING CREEK	McMinn	31.58	Escherichia coli NA	Pasture Grazing	Category 4a. EPA approved a pathogen TMDL that addresses the known pollutant on 1/23/06.
TN06020002 087_0200	BRUSH CREEK	McMinn	11.8	Escherichia coli L	Pasture Grazing	Category 5. (One or more uses impaired.)TMDL needed.

**2016 303(d) LIST (Hiwassee River Watershed continued)**

Waterbody ID	Impacted Waterbody	County	Miles/Acres Impaired	CAUSE / TMDL Priority	Pollutant Source	COMMENTS
TN06020002 087_0300	SHOAL CREEK	McMinn	5.6	Alteration in stream-side or littoral vegetative cover L	Pasture Grazing	Category 5. (One or more uses impaired.) TMDL needed.
TN06020002 087_0600	UNNAMED TRIB TO ROGERS CREEK	McMinn	1.1	Unionized Ammonia L	Landfill	Category 5. (One or more uses impaired.) TMDL needed.
TN06020002 087_1000	ROGERS CREEK	McMinn	21.6	Escherichia coli NA	Pasture Grazing	Category 4a. A pathogen TMDL addresses the known pollutant on 1/23/06.
TN06020002 088_1000	PRICE CREEK	Meigs	6.9	Alteration in stream-side or littoral vegetative cover L Loss of biological integrity due to siltation L Escherichia coli NA	Pasture Grazing Channelization	Category 5. (One or more uses impaired.) TMDLs needed. EPA approved a pathogen TMDL that addresses some of the known pollutants on 1/23/06.

**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_0100	SUGAR CREEK	Bradley	12.2	Escherichia coli L	Pasture Grazing Septic Tanks	Category 5. (One or more uses impaired.) TMDL needed.
TN03150101 012_0200	MILL CREEK	Bradley Polk	20.1	Escherichia coli NA	Pasture Grazing	Category 4a. A pathogen TMDL addresses the known pollutants on 10/17/05.
TN03150101 012_0300	BALL PLAY CREEK	Polk	7.44	Escherichia coli NA	Pasture Grazing Septic Tanks	Category 4a. EPA approved pathogen TMDL addresses the known pollutant.
TN03150101 021_0100	MILLS CREEK	Bradley	5.39	Escherichia coli L	Pasture Grazing	Category 5. (One or more uses impaired.) TMDL needed.
TN03150101 021_0120	MAROON BRANCH	Bradley	4.88	Nitrate+Nitrite L Alteration in stream-side or littoral vegetative cover L Escherichia coli L	Pasture Grazing Animal Feeding Operation (NPS)	Category 5. (One or more uses impaired.) TMDLs needed.
TN03150101 021_0200	WEATHERLY BRANCH	Bradley	3.98	Escherichia coli L	Pasture Grazing	Category 5. (One or more uses impaired.) TMDL needed.
TN03150101 021_0300	JERRY BRANCH	Bradley	7.1	Escherichia coli L	Pasture Grazing	Category 5. (One or more uses impaired.) TMDL needed.
TN03150101 021_0400	RED HILL BRANCH	Bradley	3.38	Alteration in stream-side or littoral vegetative cover L Loss of biological integrity due to siltation L	Pasture Grazing	Category 5. (One or more uses impaired.) TMDLs needed.

**2016 303(d) LIST (Conasauga River Basin continued)**

<b>Waterbody ID</b>	<b>Impacted Waterbody</b>	<b>County</b>	<b>Miles/Acres Impaired</b>	<b>CAUSE TMDL Priority</b>	<b>Pollutant Source</b>	<b>COMMENTS</b>
TN03150101 021_0500	BLACKBURN BRANCH	Bradley	7.5	Alteration in stream-side or littoral vegetative cover L Loss of biological integrity due to siltation L	Pasture Grazing	Category 5. (One or more uses impaired.) TMDLs needed.
TN03150101 021_0600	WOLF BRANCH	Bradley	3.7	Loss of biological integrity due to siltation L Escherichia coli L	Pasture Grazing Off-road Vehicles	Category 5. (One or more uses impaired.) TMDLs needed.
TN03150101 021_0700	UNNAMED TRIB TO COAHULLA CREEK	Bradley	6.32	Escherichia coli L	Discharges from MS4 area	Category 5. (One or more uses impaired.) TMDL needed.
TN03150101 021_0800	HICKS BRANCH	Bradley	5.74	Alteration in stream-side or littoral vegetative cover L Loss of biological integrity due to siltation L Escherichia coli L	Pasture Grazing Septic Tanks	Category 5. (One or more uses impaired.) TMDLs needed.
TN03150101 021_0900	UNNAMED TRIB TO COAHULLA CREEK	Bradley	3.09	Escherichia coli L	Pasture Grazing	Category 5. (One or more uses impaired.) TMDL needed.
TN03150101 021_1000	COAHULLA CREEK	Bradley	14.58	Escherichia coli L	Pasture Grazing Discharges from MS4 area	Category 5. (One or more uses impaired.) TMDL needed.
TN03150101 021_1100	TATE BRANCH	Bradley	1.71	Escherichia coli L	Pasture Grazing	Category 5. (One or more uses impaired.) TMDL needed.
TN03150101 021_2000	COAHULLA CREEK	Bradley	5.91	Alteration in stream-side or littoral vegetative cover L Escherichia coli L	Pasture Grazing Discharges from MS4 area	Category 5. (One or more uses impaired.) TMDLs needed.

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

<b>Waterbody ID</b>	<b>Impacted Waterbody</b>	<b>County</b>	<b>Miles/Acres Impaired</b>	<b>CAUSE / TMDL Priority</b>	<b>Pollutant Source</b>	<b>COMMENTS</b>
TN06020003 001_0100	FOURMILE CREEK	Polk	4.8	Escherichia coli NA Nitrate+Nitrite L Total Phosphorus L Loss of biological integrity due to siltation L	Pasture Grazing Municipal Point Source Collection System Failure	Category 5. (One or more uses impaired.) TMDLs needed. EPA approved a pathogen TMDL that addresses some of the known pollutants on 10/17/2005.
TN06020003 001_0200	CLOUD BRANCH	Polk	5.2	Escherichia coli L	Pasture Grazing	Category 5. (One or more uses impaired.) TMDL needed.
TN06020003 001_0300	COOKSON CREEK	Polk	17.25	Escherichia coli L	Pasture Grazing Septic Tanks	Category 5. (One or more uses impaired.) TMDL needed. TMDL needed.
TN06020003 001_0310	HORNS CREEK	Polk	5.15	Escherichia coli L	Pasture Grazing Septic Tanks	Category 5. (One or more uses impaired.) TMDL needed.

**2016 303(d) LIST (Ocoee River Basin continued)**

<b>Waterbody ID</b>	<b>Impacted Waterbody</b>	<b>County</b>	<b>Miles/Acres Impaired</b>	<b>CAUSE / TMDL Priority</b>	<b>Pollutant Source</b>	<b>COMMENTS</b>
TN06020003 001_0400	FRY BRANCH	Polk	3.8	Escherichia coli L	Pasture Grazing	Category 5. (One or more uses impaired.) TMDL needed.
TN06020003 001_1000	OCOEE RIVER	Polk	13.0	Flow Alteration NA	Upstream Impoundment	Biological integrity criteria not met below Parksville. Flow alteration is 4c (Impairment not caused by a pollutant).
TN06020003 004_1000	PARKSVILLE RESERVOIR	Polk	704 ac	Copper L Iron L Zinc L Loss of biological integrity due to siltation L	Mill Tailings Mine Tailings Contaminated Sediments Impacts from Abandoned Mines	Category 5. (One or more uses impaired.) TMDLs needed. Parksville Reservoir fishery is improving, but sediment contamination exerts toxic effect.
TN06020003 004_2000	PARKSVILLE RESERVOIR	Polk	576 ac	Copper L Iron L Zinc L Loss of biological integrity due to siltation L	Mill Tailings Mine Tailings Contaminated Sediments Impacts from Abandoned Mines	Category 5. (One or more uses impaired.) TMDLs needed. Parksville Reservoir fishery is improving, but sediment contamination exerts toxic effect.
TN06020003 013_1000	OCOEE RIVER_ Parksville Res. to Ocoee #2 Dam	Polk	7.18	Copper L Iron L Zinc L Flow Alteration NA	Mill Tailings Mine Tailings Contaminated Sediments Impacts from Abandoned Mines Upstream Impoundment	Category 5. (One or more uses impaired.) TMDL needed. Flow alteration is 4c (Impairment not caused by a pollutant). Use is impacted by metals and flow alteration for power generation.
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 Flow Alteration NA	Mill Tailings Mine Tailings Contaminated Sediments Impacts from Abandoned Mines Upstream Impoundment	Category 5. (One or more uses impaired.) TMDL needed. Flow alteration is 4c (Impairment not caused by a pollutant). Upstream power generation causes flow alteration.
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 Flow Alteration NA	Mill Tailings Mine Tailings Contaminated Sediments Impacts from Abandoned Mines Upstream Impoundment	Category 5. (One or more uses impaired.) TMDLs needed. Flow alteration is 4c (Impairment not caused by a pollutant). Upstream water diversion for power generation causes flow alteration. TVA provides flows for recreational uses per existing agreements.

Waterbody ID	Impacted Waterbody	County	Miles/Acres Impaired	CAUSE TMDL Priority	Pollutant Source	COMMENTS	
TN06020003 013.7_1000	OCOEE NUMBER THREE RESERVOIR	Polk	480 ac	Copper Iron Zinc Siltation	L L L L	Mill Tailings Mine Tailings Contaminated Sediments Impacts from Abandoned Mines	Category 5. (One or more uses impaired.) TMDLs needed.
TN06020003 013.7T- 0300	GRASSY CREEK	Polk	5.4	Loss of biological integrity due to siltation Escherichia coli	L L	Forestry Activities Pasture Grazing	Category 5. (One or more uses impaired.) TMDLs needed.
TN06020003 014_0100	NORTH POTATO CREEK	Polk	6.16	Physical Substrate Habitat Alterations Copper Iron Zinc pH Loss of biological integrity due to siltation	L L L L L L	Abandoned Mining Mine Tailings Channelization Contaminated Sediments	Category 5. (One or more uses impaired.) TMDLs needed. Acid mine drainage from historical mining operations. Erosion from historic smelting operation.
TN06020003 014_0110	BURRA BURRA CREEK	Polk	2.2	Copper Iron Zinc pH Loss of biological integrity due to siltation	L L L L L	Mill Tailings Mine Tailings Impacts from Abandoned Mines	Category 5. (One or more uses impaired.) TMDLs needed. Acid mine drainage from historical mining operations.
TN06020003 014_0140	ELLIS BRANCH	Polk	2.8	Copper Zinc Iron	L L L	Mill Tailings Abandoned Mining	Category 5. (One or more uses impaired.) TMDLs needed. Historical mining operations.
TN06020003 014_0210	BELLTOWN CREEK	Polk	5.1	Escherichia coli	L	Pasture Grazing Septic Tanks	Category 5. (One or more uses impaired.) TMDL needed.
TN06020003 014_1000	OCOEE RIVER	Polk	2.5	Loss of biological integrity due to siltation	L	Mill Tailings Mine Tailings Impacts from Abandoned Mines	Category 5. (One or more uses impaired.) TMDL needed.

### Sequatchie River

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

Waterbody ID	Impacted Waterbody	County	Miles/Acres Impaired	CAUSE / TMDL Priority	Pollutant Source	COMMENTS	
TN06020004 001_0120	STANDIFER BRANCH	Marion	4.76	Loss of biological integrity due to siltation	L	Land Development	Category 5. (One or more uses impaired.) TMDL needed.
TN06020004 001_0121	PRYOR COVE CREEK	Marion	13.12	Loss of biological integrity due to siltation	L	Land Development	Category 5. (One or more uses impaired.) TMDL needed.
TN06020004 001_0600	UNNAMED TRIB TO SEQUATCHIE RIVER	Marion	2.04	Nitrate+Nitrite Loss of biological integrity due to siltation	L L	Pasture Grazing	Category 5. (One or more uses impaired.) TMDLs needed.

**2016 303(d) LIST (Sequatchie River Basin continued)**

<b>Waterbody ID</b>	<b>Impacted Waterbody</b>	<b>County</b>	<b>Miles/Acres Impaired</b>	<b>CAUSE TMDL Priority</b>	<b>Pollutant Source</b>	<b>COMMENTS</b>
TN06020004 001_0910	UNNAMED TRIB TO SHELTON CREEK	Marion	6.3	Nitrate+Nitrite Escherichia coli L NA	Pasture Grazing Land Application of Biosolids	Category 5. (One or more uses impaired.) TMDL needed. Approved pathogen TMDL addresses some pollutants on 12/18/08. <b>TMDL Vision Priority Watershed</b>
TN06020004 001_1000	SEQUATCHIE RIVER	Marion	22.70	Mercury L	Atmospheric Deposition	Category 5. (One or more uses impaired.) TMDL needed.
TN06020004 001_1100	UNNAMED TRIB TO SEQUATCHIE RIVER	Marion	1.7	Loss of biological integrity due to siltation Escherichia coli L NA	Pasture Grazing	Category 5. (One or more uses impaired.) TMDL needed. EPA approved pathogen TMDL addresses some pollutants on 12/18/2008.
TN06020004 001_1200	SHILOH BRANCH	Marion	2.3	Escherichia coli NA	Pasture Grazing	Category 4a. EPA approved pathogen TMDL addresses the known pollutant on 12/18/2008.
TN06020004 001_1300	PECK BRANCH	Marion	2.4	Escherichia coli NA	Pasture Grazing	Category 4a. EPA approved pathogen TMDL addresses the known pollutant.
TN06020004 001_2000	SEQUATCHIE RIVER	Marion Sequatchie	15.16	Escherichia coli NA	Pasture Grazing	Category 4a. EPA approved a pathogen TMDL addresses the known pollutant.
TN06020004 005_0100	COOPS CREEK	Sequatchie	3.21	Escherichia coli NA	Pasture Grazing	Category 4a. EPA approved pathogen TMDL addresses the known pollutant.
TN06020004 005_0500	MCWILLIAMS CREEK	Bledsoe Sequatchie	11.2	Escherichia coli NA	Pasture Grazing	Category 4a. EPA approved pathogen TMDL addresses the known pollutant.
TN06020004 007_0400	HALL CREEK	Bledsoe	10.0	Escherichia coli NA	Pasture Grazing	Category 4a. EPA approved pathogen TMDL addresses the known pollutant.
TN06020004 007_0640	BROWNS CREEK	Bledsoe	2.8	Escherichia coli NA	Pasture Grazing	Category 4a. EPA approved pathogen TMDL addresses the known pollutant.
TN06020004 007_0800	SWAFFORD BRANCH	Bledsoe	6.5	Escherichia coli NA	Pasture Grazing	Category 4a. EPA approved pathogen TMDL addresses the known pollutant.

**2016 303(d) LIST (Sequatchie River Basin continued)**

<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_0900	STEPHENS BRANCH	Bledsoe Cumberland	8.8	Escherichia coli NA	Pasture Grazing	Category 4a. EPA approved pathogen TMDL addresses the known pollutant.
TN06020004 007_1000	SEQUATCHIE RIVER	Bledsoe Cumberland	53.1	Escherichia coli NA	Pasture Grazing	Category 4a. EPA approved pathogen TMDL addresses the known pollutant.
TN06020004 007_1100	GRASSY COVE CREEK	Cumberland	16.0	Alteration in stream-side or littoral vegetation L Nitrate+Nitrite L Total Phosphorus L Escherichia coli NA	Pasture Grazing	Category 5. (One or more uses impaired.) TMDLs needed. EPA approved a pathogen TMDL that addresses some of the known pollutants on 12/18/2008.
TN06020004 007_1200	MANNING SPRING	Cumberland	1.4	Escherichia coli NA	Pasture Grazing	Category 4a. EPA approved pathogen TMDL addresses the known pollutant on 12/18/2008.
TN06020004 007_1400	UNNAMED TRIB TO SEQUATCHIE RIVER	Bledsoe	1.4	Escherichia coli NA	Pasture Grazing	Category 4a. EPA approved pathogen TMDL addresses the known pollutant on 12/18/2008.
TN06020004 007_1500	MILL BRANCH	Bledsoe	8.8	Escherichia coli NA	Pasture Grazing	Category 4a. EPA approved pathogen TMDL addresses the known pollutant on 12/18/2008.
TN06020004 007_2200	SKILLERN CREEK	Bledsoe	10.60	Escherichia coli NA	Pasture Grazing	Category 4a. EPA approved pathogen TMDL addresses some known pollutants on 12/18/2008.
TN06020004 008_0200	MAISE CREEK	Bledsoe	4.7	Escherichia coli NA	Pasture Grazing	Category 4a. EPA approved pathogen TMDL addresses the known pollutant on 12/18/2008.
TN06020004 009_0500	GLADY FORK	Sequatchie	6.43	Manganese L Other Anthropogenic Substrate Alterations L	Surface Mining	Category 5. (One or more uses impaired.) TMDLs needed.
TN06020004 009_1000	BIG BRUSH CREEK	Sequatchie	9.3	Manganese L Other Anthropogenic Substrate Alterations L	Coal Mining Discharges	Category 5. (One or more uses impaired.) TMDLs needed.
TN06020004 009_2000	BIG BRUSH CREEK	Sequatchie Bledsoe	19.41	Manganese L Other Anthropogenic Substrate Alterations L	Coal Mining Discharges	Category 5. (One or more uses impaired.) TMDLs needed.

**2016 303(d) LIST (Sequatchie River Basin continued)**

Waterbody ID	Impacted Waterbody	County	Miles/Acres Impaired	CAUSE / TMDL Priority	Pollutant Source	COMMENTS
TN06020004 014_0100	DANIEL CREEK	Marion	2.2	Escherichia coli NA	Pasture Grazing	Category 4a. EPA approved pathogen TMDL addresses the known pollutant on 12/18/2008.

**Guntersville Reservoir**

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

Waterbody ID	Impacted Waterbody	County	Miles/Acres Impaired	CAUSE / TMDL Priority	Pollutant Source	COMMENTS
TN06030001 055T_0100	GRAHAM BRANCH	Marion	4.89	Loss of biological integrity due to siltation L Escherichia coli L	Pasture Grazing Septic Tanks	Category 5. (One or more uses impaired.) TMDLs needed.
TN06030001 057_0100	SWEETEN (SWEDEN) CREEK	Marion	28.94	Escherichia coli L	Pasture Grazing Septic Tanks	Category 5. (One or more uses impaired.) TMDL needed.
TN06030001 057_0611	UNNAMED TRIB TO LAUREL LAKE	Marion	0.5	Escherichia coli NA	Collection System Failure	Laurel Lake is the water supply for Monteagle. Category 4a. EPA approved pathogen TMDL that addresses known pollutant on 3/12/2008.
TN06030001 057_0921	HEDDEN BRANCH	Grundy	1.55	Alteration in stream-side or littoral vegetation L	Pasture Grazing Urbanized High Density Area	Water contact advisory lifted in 2013. Category 5. (One or more uses impaired.) TMDL needed.
TN06030001 057_0922	CLOUSE HILL BRANCH	Grundy	1.87	Alteration in stream-side or littoral vegetation L Escherichia coli NA	Pasture Grazing Urbanized High Density Area Septic Tanks	Water contact advisory lifted in 2013. Category 5. (One or more uses impaired.) TMDL needed. EPA approved pathogen TMDL that addresses one of the known pollutants on 3/12/2008.
TN06030001 057_0923	SLAUGHTER PEN HOLLOW BRANCH	Grundy	1.27	Loss of biological integrity due to siltation L Escherichia coli L	Septic Tanks Channelization	Water contact advisory lifted in 2013. Category 5. (One or more uses impaired.) TMDLs needed.

**2016 303(d) LIST (Guntersville Reservoir Basin continued)**

Waterbody ID	Impacted Waterbody	County	Miles/Acres Impaired	CAUSE TMDL Priority	Pollutant Source	COMMENTS
TN06030001 057_0925	LITTLE FIERY GIZZARD CREEK	Grundy	2.32	Flow Alteration Escherichia coli NA NA	Upstream Impoundment Pasture Grazing Septic Tanks	Water contact advisory lifted in 2013. Category 4a. EPA approved pathogen TMDL addresses the known pollutant on 3/12/2008, but flow alteration is 4c.
TN06030001 065_0100	CLUCK COVE CREEK	Marion	4.32	Iron Flow Alteration Loss of biological integrity due to siltation L NA L	Upstream Impoundment Land Development	Category 5. (One or more uses impaired.) TMDs needed. Flow alteration is 4c (impairment not caused by a pollutant).
TN06030001 067_0410	BARNES BRANCH	Franklin Marion	4.08	Iron Flow Alteration L NA	Upstream Impoundment	Randomly-selected for Impounded Streams Study. Category 5. (One or more uses impaired.) TMDL needed. Flow alteration is 4c.
TN06030001 067_0421	UNNAMED TRIB TO TWO MILE BRANCH	Franklin	0.31	Flow Alteration NA	Upstream Impoundment	Randomly-selected for Impounded Streams Study. Flow alteration is 4c. (Impairment not caused by a pollutant).
TN06030001 067_0700	HOLLY FLAT COVE CREEK	Marion Franklin	7.9	Loss of biological integrity due to siltation L	Land Development	Category 5. (One or more uses impaired.) TMDL needed.

**Wheeler Lake Watershed**

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

Waterbody ID	Impacted Waterbody	County	Miles/Acres Impaired	CAUSE / TMDL Priority	Pollutant Source	COMMENTS
TN06030002 1124_1000	HESTER CREEK	Lincoln	14.8	Loss of biological integrity due to siltation L	Nonirrigated Crop Production	Category 5. (One or more uses impaired.) TMDL needed.
TN06030002 1149_0100	COTTRELL SPRING BRANCH	Lincoln	8.7	Alteration in stream-side or littoral vegetative cover Loss of biological integrity due to siltation L L	Nonirrigated Crop Production	Category 5. (One or more uses impaired.) TMDL needed.
TN06030002 1149_0200	HARBIN BRANCH	Lincoln	12.3	Alteration in stream-side or littoral vegetative cover L	Pasture Grazing	Category 5. (One or more uses impaired.) TMDL needed.
TN06030002 1149_0300	TROTTERS BRANCH	Lincoln	16.4	Alteration in stream-side or littoral vegetative cover Loss of biological integrity due to siltation L L	Nonirrigated Crop Production	Category 5. (One or more uses impaired.) TMDLs needed.

**2016 303(d) LIST (Wheeler Lake Watershed continued)**

<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>
TN06030002 1149_0600	BIG HUCKLEBERRY CREEK	Lincoln	12.2	Alteration in stream-side or littoral vegetative cover L Loss of biological integrity due to siltation L	Nonirrigated Crop Production	Category 5. (One or more uses impaired.) TMDLs needed.
TN06030002 1149_0610	LITTLE HUCKLEBERRY CREEK	Lincoln	7.5	Alteration in stream-side or littoral vegetative cover L	Nonirrigated Crop Production	Category 5. (One or more uses impaired.) TMDL needed.
TN06030002 1149_1000	FLINT RIVER	Lincoln	22.0	Loss of biological integrity due to siltation L Physical Substrate Habitat Alterations L	Nonirrigated Crop Production	Category 5. (One or more uses impaired.) TMDLs needed.
TN06030002 1216_0200	WALKER CREEK	Lincoln	12.67	Alteration in stream-side or littoral vegetative cover L Loss of biological integrity due to siltation L	Nonirrigated Crop Production Land Development	Category 5. (One or more uses impaired.) TMDLs needed.
TN06030002 1216_0210	WASHBURN BRANCH	Lincoln	14.56	Alteration in stream-side or littoral vegetative cover L Loss of biological integrity due to siltation L Low Dissolved Oxygen L	Nonirrigated Crop Production Upstream Impoundment	Category 5. (One or more uses impaired.) TMDLs needed.
TN06030002 1216_0211	HARPER CREEK	Lincoln	3.07	Alteration in stream-side or littoral vegetative cover L Loss of biological integrity due to siltation L	Pasture Grazing	Category 5. (One or more uses impaired.) TMDLs needed.
TN06030002 1216_0221	UNNAMED TRIB TO HANCOCK BRANCH	Lincoln	1.42	Flow Alterations NA	Upstream Impoundment	Category 4c for flow alteration. (Impairment not caused by a pollutant).

**Elk River Basin**

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

<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>
TN06030003 001_0100	REEVES BRANCH	Giles	4.1	Nitrate+Nitrite L Alteration in stream-side or littoral vegetative cover L	Pasture Grazing	Category 5. (One or more uses impaired.) TMDLs needed.
TN06030003 010_1000	ELK RIVER	Lincoln	13.91	Escherichia coli NA	Pasture Grazing	Category 4a. EPA approved a pathogen TMDL that addresses the known pollutant on 8/5/13.

**2016 303(d) LIST (Elk River Basin continued)**

<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>
TN06030003 012_0400	ROBINSON CREEK	Franklin Lincoln	11.46	Nitrate+Nitrite Loss of biological integrity due to siltation	L NA Pasture Grazing Nonirrigated Crop Production	Category 5. (One or more uses impaired.) TMDL needed. EPA approved a siltation TMDL which addresses some of the known pollutants on 10/22/04.
TN06030003 012_1000	BEANS CREEK	Franklin Lincoln	10.7	Loss of biological integrity due to siltation	L Nonirrigated Crop Production Sand/Gravel/Rock Quarries	Category 5. (One or more uses impaired.) TMDL needed.
TN06030003 015_1000	ELK RIVER	Franklin Moore	15.4	Temperature Alterations Flow Alteration	L NA Upstream Impoundment	Category 5. (One or more uses impaired.) TMDL needed. Flow alteration is 4c (Impairment not caused by a pollutant). Habitat for the federally listed shiny pigtoe and slabside pearly mussel.
TN06030003 026_1000	DRY CREEK	Franklin	21.1	Loss of biological integrity due to siltation	L Nonirrigated Crop Production	Category 5. (One or more uses impaired.) TMDL needed.
TN06030003 030_1000	BOILING FORK CREEK	Franklin	32.4	Escherichia coli	NA Pasture Grazing	Category 4a. EPA approved a pathogen TMDL that addresses the known pollutant on 8/5/13.
TN06030003 032_1000	WAGNER CREEK	Franklin	18.8	Alteration in stream-side or littoral vegetative cover Nitrate+Nitrite Escherichia coli	NA L NA Pasture Grazing Urbanized High Density Area Municipal Point Source	Category 5. (One or more uses impaired.) TMDL needed. EPA approved a habitat alteration and pathogen TMDLs which address some of the known pollutants on 10/22/04 and 8/5/13.
TN06030003 035_1000	ELK RIVER	Franklin	6.2	Flow Alteration Low Dissolved Oxygen	NA L Upstream Impoundment	Category 5. (One or more uses impaired.) TMDL needed. Flow alteration is 4c (Impairment not caused by a pollutant).
TN06030003 036_1000	WOODS RESERVOIR	Franklin Coffee	3908 ac	PCBs	NA Contaminated Sediments	<a href="#">Fishing advisory</a> due to PCBs. Category 4a. EPA approved a PCB TMDL addresses the known pollutant on 11/13/07. Historical PCB releases from AEDC.

2016 303(d) LIST (Elk River Basin continued)

Waterbody ID	Impacted Waterbody	County	Miles/Acres Impaired	CAUSE / TMDL Priority	Pollutant Source	COMMENTS
TN06030003 041_0100	YELLOW BRANCH	Franklin	7.1	Alteration in stream-side or littoral vegetative cover Loss of biological integrity due to siltation Escherichia coli	NA NA NA	Pasture Grazing  Category 4a. EPA has approved a siltation/habitat alteration and pathogen TMDLs which address some of the known pollutants on 10/22/04 and 8/5/13.
TN06030003 044_0100	BETSY WILLIS CREEK	Coffee Grundy	22.5	Escherichia coli	NA	Animal Feeding Operation Pasture Grazing  Category 4a. EPA approved pathogen TMDLs which addresses known pollutants on 8/5/13.
TN06030003 044_0700	CALDWELL CREEK	Grundy	14.1	Escherichia coli	NA	Pasture Grazing Municipal Point Source  Category 4a. EPA approved a pathogen TMDL that addresses one known pollutant on 8/5/13.
TN06030003 044_0710	GILLIAM CREEK	Grundy	0.76	Nitrate+Nitrite Total Phosphorus  Escherichia coli	L L NA	Municipal Point Source  Pasture Grazing  Category 5. (One or more uses impaired.) TMDLs needed. EPA approved a pathogen TMDL that addresses one known pollutant on 8/5/13. Monteagle STP. (This segment was identified as _0720 in TMDL.)
TN06030003 044_0712	JUANITA CREEK (Unnamed Trib to Gilliam Creek)	Grundy	2.12	Nitrate+Nitrite Total Phosphorus Escherichia coli	L L NA	Municipal Point Source  Urbanized High Density Area  Category 5. (One or more uses impaired.) TMDLs needed. EPA approved a pathogen TMDL that addresses one known pollutant on 8/5/13. (This segment was identified as _0721 in TMDL.) Monteagle STP.
TN06030003 044_0713	TRUSSEL CREEK	Grundy	4.3	Unionized Ammonia Nitrate+Nitrite Total Phosphorus Iron Manganese Low Dissolved Oxygen Whole Effluent Toxicity Escherichia coli	L L L L L L NA	Municipal Point Source Discharge Upstream Impoundment  Category 5. (One or more uses impaired.) TMDLs needed. EPA approved a pathogen TMDL that addresses one known pollutant on 8/5/13. (This segment was identified as _0730 in TMDL.) Monteagle STP.
TN06030003 044_1000	ELK RIVER	Franklin Grundy	17.9	Escherichia coli	NA	Pasture Grazing  Category 4a. EPA approved a pathogen TMDL that addresses the known pollutant on 8/5/13.

**2016 303(d) LIST (Elk River Basin continued)**

<b>Waterbody ID</b>	<b>Impacted Waterbody</b>	<b>County</b>	<b>Miles/Acres Impaired</b>	<b>CAUSE / TMDL Priority</b>	<b>Pollutant Source</b>	<b>COMMENTS</b>
TN06030003 053_0100	BLUE CREEK	Franklin Coffee	10.9	Alteration in stream-side or littoral vegetative cover Escherichia coli L NA	Pasture Grazing	Category 5. (One or more uses impaired.) TMDL needed. EPA approved a pathogen TMDL that addresses some of the pollutants on 8/5/13.
TN06030003 053_2000	ROCK CREEK	Franklin Coffee	16.1	Low Dissolved Oxygen Nitrate+Nitrite Total Phosphorus Flow Alteration Temperature Alterations Loss of biological integrity due to siltation L L L NA L NA	Municipal Point Source Discharges from MS4 area Land Development	Category 5. (One or more uses impaired.) TMDLs needed. Flow alteration is 4c (Impairment not caused by a pollutant). EPA approved a siltation TMDL which addresses some of the known pollutants on 10/22/04. Area impacts include Tullahoma STP.
TN06030003 056_0100	WEST FORK MULBERRY CREEK	Lincoln Moore	55.9	Escherichia coli NA	Pasture Grazing Animal Feeding Operations	Category 4a. EPA approved a pathogen TMDL that addresses the known pollutant on 8/5/13.
TN06030003 056_0200	EAST FORK MULBERRY CREEK	Lincoln	14.0	Escherichia coli L	Pasture Grazing Animal Feeding Operations	Category 5. (One or more uses impaired.) TMDL needed.
TN06030003 056_0250	EAST FORK MULBERRY CREEK	Moore	16.8	Escherichia coli NA	Pasture Grazing	Category 4a. EPA approved a pathogen TMDL that addresses the known pollutant on 8/5/13.
TN06030003 060_1000	CANE CREEK	Lincoln Marshall	44.5	Escherichia coli NA	Pasture Grazing	Category 4a. EPA approved a pathogen TMDL which addresses the known pollutant on 8/5/13.
TN06030003 063_1000	SWAN CREEK	Lincoln	5.6	Nitrate+Nitrite Total Phosphorus Alteration in stream-side or littoral vegetative cover Escherichia coli L L L NA	Pasture Grazing Specialty Crop Production	Category 5. (One or more uses impaired.) TMDLs needed. EPA approved a pathogen TMDL that addresses one known pollutant on 8/5/13.
TN06030003 063_2000	SWAN CREEK	Lincoln Marshall	9.9	Nitrate+Nitrite Total Phosphorus Low Dissolved Oxygen Escherichia coli L L L NA	Animal Feeding Operation (NPS)	Category 5. (One or more uses impaired.) TMDLs needed. EPA approved a pathogen TMDL that addresses some of the known pollutants on 8/5/13. Fish kills from animal feeding operation.

**2016 303(d) LIST (Elk River Basin continued)**

<b>Waterbody ID</b>	<b>Impacted Waterbody</b>	<b>County</b>	<b>Miles/Acres Impaired</b>	<b>CAUSE / TMDL Priority</b>	<b>Pollutant Source</b>	<b>COMMENTS</b>
TN06030003 065_1000	INDIAN CREEK	Giles	20.5	Loss of biological integrity due to siltation L	Pasture Grazing	Category 5. (One or more uses impaired.) TMDLs needed.
TN06030003 085_1000	CHILDER CREEK	Franklin	8.9	Loss of biological integrity due to siltation NA Alteration in stream-side or littoral vegetative cover NA	Nonirrigated Crop Production Specialty Crop Production	Category 4a. EPA approved siltation/habitat alteration TMDL that addresses the known pollutants on 10/22/04.
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	Category 4a. EPA approved a siltation/habitat alteration TMDL which addresses the known pollutants on 10/22/04.
TN06030003 567_1000	HESSEY BRANCH	Franklin	9.6	Nutrients L Alteration in stream-side or littoral vegetative cover NA Physical Substrate Habitat Alteration NA Loss of biological integrity due to siltation NA	Nonirrigated Crop Production Pasture Grazing Channelization	Category 5. (One or more uses impaired.) TMDL needed. EPA approved siltation/habitat alteration TMDL which addresses some of the known pollutants on 10/22/04.
TN06030004 013_1000	ELK RIVER	Giles	7.4	Escherichia coli NA	Pasture Grazing	Category 4a. EPA approved a pathogen TMDL that addresses the known pollutant on 8/5/13. Habitat for two federally listed fish species: the snail darter ( <i>Percina tanasi</i> ) and the boulder darter ( <i>Etheostoma wapiti</i> ).
TN06030004 017_0300	EVERLY BRANCH	Giles	2.41	Loss of biological integrity due to siltation L	Sand/Gravel/Rock Mining	Category 5. (One or more uses impaired.) TMDL needed.
TN06030004 017_0600	UNNAMED TRIB TO RICHLAND CREEK	Giles	3.2	Other Anthropogenic Substrate Alterations NA Loss of biological integrity due to siltation NA	Industrial/Commercial Site Stormwater Discharge	Category 4a. EPA approved a siltation/habitat alteration TMDL which addresses the known pollutants on 10/22/04. (This segment was identified as _0300 in TMDL.)
TN06030004 017_0700	UNNAMED TRIB TO RICHLAND CREEK	Giles	1.28	Alteration in stream-side or littoral vegetative cover L Physical Substrate Habitat Alterations L Loss of biological integrity due to siltation L	Urbanized High Density Area Channelization	Category 5. (One or more uses impaired.) TMDLs needed.

2016 303(d) LIST (Elk River Basin continued)

Waterbody ID	Impacted Waterbody	County	Miles/Acres Impaired	CAUSE / TMDL Priority	Pollutant Source	COMMENTS
TN06030004 017_0800	PLEASANT RUN CREEK	Giles	1.7	Nitrate+Nitrite L Total Phosphorus L Alteration in stream-side or littoral vegetative cover L Loss of biological integrity due to siltation L Escherichia coli NA	Urbanized High Density Area Collection System Failure	Category 5. (One or more uses impaired.) TMDLs needed. EPA approved a pathogen TMDL that addresses one known pollutant on 8/5/13. <b>TMDL Vision Priority Watershed</b>
TN06030004 023_1000	ROBERTSON FORK CREEK	Giles Marshall	16.64	Escherichia coli NA	Pasture Grazing	Category 4a. EPA approved a pathogen TMDL that addresses one known pollutant on 8/5/13.
TN06030004 026_0112	FANNY BRANCH	Giles Lawrence	2.18	Loss of biological integrity due to siltation L	Off-road Vehicles Silviculture	Category 5. (One or more uses impaired.) TMDL needed.
TN06030004 029_0410	UNNAMED TRIB TO WET WEAKLEY CREEK	Lawrence Giles	0.75	Nitrate+Nitrite L Escherichia coli NA	Animal Feeding Operations Silviculture	Category 5. (One or more uses impaired.) TMDL needed. EPA approved a pathogen TMDL that addresses one known pollutant on 8/5/13.
TN06030004 043_0300	CORN CREEK	Marshall	4.0	Alteration in stream-side or littoral vegetative cover NA Loss of biological integrity due to siltation NA Total Phosphorus L Nitrate+Nitrite L Escherichia coli NA	Pasture Grazing Unrestricted Cattle Access	Category 5. (One or more uses impaired.) TMDLs needed. EPA approved pathogen and siltation/habitat alteration TMDLs that address some of the known pollutants on 8/5/13 and 10/22/04.
TN06030004 043_0400	TOWN CREEK	Marshall	12.5	Nitrate+Nitrite L Total Phosphorus L Escherichia coli NA	Pasture Grazing Municipal Point Source	Category 5. (One or more uses impaired.) TMDLs needed. EPA approved a pathogen TMDL that addresses some of the known pollutants on 8/5/13. Town Creek impacts include Cornersville STP.
TN06030004 043_0600	COFFEY BRANCH	Marshall	3.4	Alteration in stream-side or littoral vegetative cover L Escherichia coli NA	Pasture Grazing	Category 5. (One or more uses impaired.) TMDL needed. EPA approved a pathogen TMDL that addresses one of the known pollutants on 8/5/13.

**2016 303(d) LIST (Elk River Basin continued)**

Waterbody ID	Impacted Waterbody	County	Miles/Acres Impaired	CAUSE / TMDL Priority	Pollutant Source	COMMENTS
TN06030004 043_1000	RICHLAND CREEK	Giles Marshall	42.0	Loss of biological integrity due to siltation Escherichia coli L NA	Pasture Grazing	Category 5. (One or more uses impaired.) TMDL needed. EPA approved a pathogen TMDL that addresses one of the known pollutants on 8/5/13.
TN06030004 044_1000	PIGEON ROOST CREEK	Giles	28.9	Loss of biological integrity due to siltation L	Pasture Grazing	Category 5. (One or more uses impaired.) TMDL needed.

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

Waterbody ID	Impacted Waterbody	County	Miles/Acres Impaired	CAUSE / TMDL Priority	Pollutant Source	COMMENTS
TN06030005 001_1000	PICKWICK RESERVOIR	Hardin	5800	Total Phosphorus L	Sources outside of the State	Category 5. (One or more uses impaired.) TMDL needed.
TN06030005 078_0410	UNNAMED TRIB TO WOLF CREEK	Lawrence	0.13	Flow Alterations NA	Upstream Impoundment	Category 4c. (Impairment not caused by a pollutant.)
TN06030005 082_0100	TRIPPTOWN BRANCH (previously called BIG DRY CREEK)	Lawrence	7.4	Alteration in stream-side or littoral vegetative cover L	Pasture Grazing	Category 5. (One or more uses impaired.) TMDL needed.

**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 001_2000	KENTUCKY RESERVOIR	Decatur Perry	20591.96 ac	Low dissolved oxygen.....L	Upstream Impoundment	Category 5. (One or more uses impaired.) TMDL needed.
TN06040001 041_0200	EAST PRONG DOE CREEK	Decatur Henderson	18.1	Escherichia coli L	Pasture Grazing	Category 5. (One or more uses impaired.) TMDL needed.
TN06040001 043_0100	CHALK CREEK	Hardin	14.0	Loss of biological integrity due to siltation Physical Substrate Habitat Alterations L L	Pasture Grazing Channelization	Category 5. (One or more uses impaired.) TMDLs needed.
TN06040001 043_0200	MUD CREEK	Hardin	13.4	Loss of biological integrity due to siltation Low dissolved oxygen Physical Substrate Habitat Alterations L L L	Pasture Grazing Channelization	Category 5. (One or more uses impaired.) TMDLs needed.

**2016 303(d) LIST (Upper Kentucky Reservoir Watershed continued)**

<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 043_0210	SOUTH FORK MUD CREEK	McNairy County Hardin County	25.4	Physical Substrate Habitat Alteration L Alteration in stream-side or littoral vegetative cover L	Nonirrigated Crop Production	Category 5. (One or more uses impaired.) TMDLs needed.
TN06040001 043_0700	HURRICANE CREEK	Hardin Henderson	30.7	Alteration in stream-side or littoral vegetative cover L Total Phosphorus L Physical Substrate Habitat Alterations L	Nonirrigated Crop Production Channelization	Category 5. (One or more uses impaired.) TMDLs needed.
TN06040001 043_1000	WHITEOAK CREEK	Hardin	15.1	Loss of biological integrity due to siltation L Low dissolved oxygen L	Nonirrigated Crop Production Channelization	Category 5. (One or more uses impaired.) TMDLs needed.
TN06040001 054_0200	OWL CREEK	McNairy Hardin	42.1	Alteration in stream-side or littoral vegetative cover L Physical Substrate Habitat Alterations L Escherichia coli L	Pasture Grazing Channelization	Category 5. (One or more uses impaired.) TMDLs needed.
TN06040001 054_1000	SNAKE CREEK	McNairy Hardin	9.3	Loss of biological integrity due to siltation L Escherichia coli L	Irrigated Crop Production Unknown Source	Category 5. (One or more uses impaired.) TMDLs needed.
TN06040001 060_2000	CHAMBERS CREEK	McNairy	4.0	Loss of biological integrity due to siltation L	Pasture Grazing	Category 5. (One or more uses impaired.) TMDL needed.
TN06040001 064_0220	STEELE CREEK	Hardin	10.64	Alteration in stream-side or littoral vegetative cover L	Pasture Grazing	Category 5. (One or more uses impaired.) TMDL needed.
TN06040001 064_0221	SPENCER CREEK	Hardin County	1.23	Loss of biological integrity due to siltation L	Land Development	Category 5. (One or more uses impaired.) TMDL needed.
TN06040001 064_0400	KERR BRANCH	Hardin	1.7	Nitrate +Nitrite L Escherichia coli L	Pasture Grazing Onsite Wastewater System (Septic Tanks)	Category 5. (One or more uses impaired.) TMDLs needed.
TN06040001 064_1400	HOLLAND CREEK	Hardin	25.4	Alteration in stream-side or littoral vegetative cover L	Pasture Grazing	Category 5. (One or more uses impaired.) TMDL needed.
TN06040001 149_1000	MUD CREEK	Hardin	37.9	Alteration in stream-side or littoral vegetative cover L	Nonirrigated Crop Production	Category 5. (One or more uses impaired.) TMDL needed.
TN06040001 643_0200	SULPHUR FORK CUB CREEK	Decatur Henderson	30.26	Alteration in stream-side or littoral vegetative cover L Loss of biological integrity due to siltation L	Nonirrigated Crop Production Pasture Grazing	Category 5. (One or more uses impaired.) TMDLs needed.

**2016 303(d) LIST (Upper Kentucky Reservoir Watershed continued)**

<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 651_1000	GOODIN BRANCH	Decatur	2.87	Flow alteration NA	Upstream Impoundment	Category 4c. Impairment is not caused by a pollutant.
TN06040001 802_0100	TURKEY CREEK	Decatur	16.7	Alteration in stream-side or littoral vegetative cover L Physical Substrate Habitat Alteration L	Nonirrigated Crop Production Pasture Grazing Channelization	Category 5. (One or more uses impaired.) TMDLs needed.
TN06040001 802_0300	FLAT CREEK	Decatur Henderson	22.77	Physical Substrate Habitat Alteration L	Channelization	Category 5. (One or more uses impaired.) TMDL needed.
TN06040001 802_0400	Cane Creek	Henderson	26.59	Alteration in stream-side or littoral vegetative cover L Physical Substrate Habitat Alteration L	Nonirrigated Crop Production Channelization	Category 5. (One or more uses impaired.) TMDLs needed.
TN06040001 802_1100	ONEMILE BRANCH	Henderson	4.81	Alteration in stream-side or littoral vegetative cover L Physical Substrate Habitat Alteration L	Pasture Grazing Urbanized High Density Area Channelization	Category 5. (One or more uses impaired.) TMDLs needed.
TN06040001 802_1600	BROWN'S CREEK	Henderson	5.2	Iron L Temperature Alterations L	Upstream Impoundment	Category 5. (One or more uses impaired.) TMDL needed. Poor quality discharges from Browns Reservoir.
TN06040001 802_1650	BROWN'S CREEK	Henderson	0.3	Iron L Temperature Alterations L Flow alteration NA	Upstream Impoundment	Category 5. (One or more uses impaired.) TMDL needed. Flow alteration is 4c (Impairment not caused by a pollutant). Poor quality discharges from Browns Reservoir.
TN06040001 1163_0110	UNNAMED TRIB TO LITTLE BEECH CR.	Wayne	5.6	Physical Substrate Habitat Alteration L Loss of biological integrity due to siltation L	Unrestricted Cattle Access	Category 5. (One or more uses impaired.) TMDLs needed.
TN06040001 1163_1000	BEECH CREEK	Wayne	3.0	Mercury L	Contaminated Sediment	Category 5. (One or more uses impaired.) TMDL needed. Mercury discovered in creek sediment near Leatherwood from bridges.
TN06040001 1163_2000	BEECH CREEK	Wayne	6.0	Mercury L	Contaminated Sediment	Category 5. (One or more uses impaired.) TMDL needed. Mercury discovered in creek sediment near Leatherwood from bridges.

**2016 303(d) LIST (Upper Kentucky Reservoir Watershed continued)**

Waterbody ID	Impacted Waterbody	County	Miles/Acres Impaired	CAUSE / TMDL Priority	Pollutant Source	COMMENTS
TN06040001 1163_3000	BEECH CREEK	Wayne	6.2	Mercury PCBs L L	Contaminated Sediment CERCLA site	Category 5. (One or more uses impaired.) TMDLs needed. Category 4b for PCBs. A TMDL would not be helpful at the CERCLA ROD is the enforceable control strategy.
TN06040001 BEECHLK_1 000	BEECH LAKE	Henderson	877 ac	Mercury L	Atmospheric Deposition	Category 5. (One or more uses impaired.) TMDL needed.

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

Waterbody ID	Impacted Waterbody	County	Miles/Acres Impaired	CAUSE / TMDL Priority	Pollutant Source	COMMENTS
TN06040002 002_0300	GLOBE CREEK	Maury Marshall	22.66	Escherichia coli L	Pasture Grazing	Category 5. (One or more uses impaired.) TMDL needed.
TN06040002 002_0310	EAST FORK OF GLOBE CREEK	Marshall	7.25	Nitrate+Nitrite Chloride Total Phosphorus Escherichia coli L L L	Landfill Pasture Grazing	Category 5. (One or more uses impaired.) TMDLs needed.
TN06040002 002_0311	VICKREY CREEK	Marshall	1.53	Unionized Ammonia Chloride Nitrate+Nitrite L L L	Landfill	Category 5. (One or more uses impaired.) TMDLs needed.
TN06040002 002_0315	EAST FORK OF GLOBE CREEK	Marshall	1.93	Unionized Ammonia Nitrate+Nitrite Chloride L L L	Landfill	Category 5. (One or more uses impaired.) TMDLs needed.
TN06040002 002_0700	HURRICANE CREEK	Maury	12.7	Loss of biological integrity due to siltation L	Pasture Grazing	Category 5. (One or more uses impaired.) TMDL needed.
TN06040002 002_3000	FOUNTAIN CREEK	Maury	7.9	Escherichia coli NA	Unrestricted Cattle Access	Category 4a. EPA approved a pathogen TMDL that addresses the known pollutant on 4/22/2004.
TN06040002 008_1000	CEDAR CREEK	Maury Marshall	7.62	Alteration in stream-side or littoral vegetative cover Nitrate+Nitrite Escherichia coli L L L	Pasture Grazing	Category 5. (One or more uses impaired.) TMDLs needed.
TN06040002 010_0100	RICH CREEK	Marshall Bedford	10.81	Nitrate+Nitrite Escherichia coli L L	Pasture Grazing Nonirrigated Crop Production	Category 5. (One or more uses impaired.) TMDLs needed.

2016 303(d) LIST (Duck River Watershed continued)

Waterbody ID	Impacted Waterbody	County	Miles/Acres Impaired	CAUSE / TMDL Priority	Pollutant Source	COMMENTS
TN06040002 012_0100	EAST ROCK CREEK	Marshall	14.17	Nitrate+Nitrite L Loss of biological integrity due to siltation NA Physical Substrate Habitat Alterations NA Escherichia coli L	Pasture Grazing	Category 5. (One or more uses impaired.) TMDLs needed. EPA approved a siltation/habitat alteration TMDL that addresses some of the known pollutants on 2/26/2005.
TN06040002 012_0500	SANDERS CREEK	Marshall	4.5	Loss of biological integrity due to siltation NA Alteration in stream-side or littoral vegetative cover NA	Pasture Grazing	Category 4a. EPA approved a siltation/habitat alteration TMDL that addresses some of the known pollutants on 7/18/2006.
TN06040002 012_0700	SNELL BRANCH	Marshall	4.5	Loss of biological integrity due to siltation NA Alteration in stream-side or littoral vegetative cover NA	Discharges from MS4 area Channelization	Category 4a. EPA approved a siltation/habitat alteration TMDL that addresses the known pollutants on 7/18/2006.
TN06040002 012_2000	BIG ROCK CREEK	Marshall	9.0	Nitrate+Nitrite L Total Phosphorus L Loss of biological integrity due to siltation NA Low dissolved oxygen L	Municipal Point Source Discharges from MS4 area	Category 5. (One or more uses impaired.) TMDLs needed. EPA approved a siltation TMDL that addresses some of the known pollutants on 7/18/2006. Lewisburg area impacts. <b>TMDL Vision Priority Watershed</b>
TN06040002 012_3000	BIG ROCK CREEK	Marshall	6.0	Loss of biological integrity due to siltation NA Physical Substrate Habitat Alterations NA Low Dissolved Oxygen L Escherichia coli L	Pasture Grazing	Category 5. (One or more uses impaired.) TMDLs needed. EPA approved a siltation/habitat alteration TMDL that addresses some of the known pollutants on 7/18/2006.
TN06040002 020_1000	DUCK RIVER	Bedford	29.8	Escherichia coli L	Discharges from MS4 area	Category 5. (One or more uses impaired.) TMDL needed. Shelbyville area pathogen sources.
TN06040002 021_0100	LITTLE SINKING CREEK	Bedford	7.6	Loss of biological integrity due to siltation NA Alteration in stream-side or littoral vegetative cover NA	Pasture Grazing	Category 4a. EPA approved siltation/habitat alteration TMDL that address the known pollutants on 7/18/2006.

2016 303(d) LIST (Duck River Watershed continued)

Waterbody ID	Impacted Waterbody	County	Miles/Acres Impaired	CAUSE / TMDL Priority	Pollutant Source	COMMENTS
TN06040002 021_1000	SINKING CREEK	Bedford	12.0	Loss of biological integrity due to siltation Alteration in stream-side or littoral vegetative cover NA NA	Pasture Grazing	Category 4a. EPA approved siltation/habitat alteration TMDL that address the known pollutants on 7/18/2006.
TN06040002 024_0100	DAVIS BRANCH	Bedford	2.2	Loss of biological integrity due to siltation NA	Pasture Grazing	Category 4a. EPA approved a siltation TMDL that addresses the known pollutant on 7/18/2006.
TN06040002 024_1000	SUGAR CREEK	Bedford	21.7	Nitrate+Nitrite Total Phosphorus Alteration in stream-side or littoral vegetative cover Escherichia coli L L NA L	Pasture Grazing	Category 5. (One or more uses impaired.) TMDLs needed. EPA approved a habitat alteration TMDL that addresses some of the known pollutants on 7/18/2006.
TN06040002 027_0200	BOMAR CREEK	Bedford	4.1	Nutrients Low dissolved oxygen L L	Discharges from MS4 Area	Category 5. (One or more uses impaired.) TMDLs needed. Shelbyville area impacts.
TN06040002 027_1000	DUCK RIVER	Bedford	1.6	Escherichia coli Loss of biological integrity due to siltation NA NA	Collection System Failure Discharges from MS4 area	Category 4a. EPA approved siltation and pathogen TMDLs that address the known pollutants on 7/18/2006 and 4/22/2004. Shelbyville area impacts.
TN06040002 030_0200	DODDY CREEK	Bedford	2.2	Habitat loss due to flow alteration NA	Upstream Impoundment	Category 4c. Impairment not a pollutant.
TN06040002 030_1000	DUCK RIVER	Bedford	12.1	Temperature Alterations Flow Alteration Manganese L NA L	Upstream Impoundment	Category 5. (One or more uses impaired.) TMDLs needed. Flow alteration is 4c (Impairment not due to pollutant).
TN06040002 032_0300	CLEAR BRANCH	Coffee	7.3	Alteration of stream-side or littoral vegetation Total Phosphorus Low dissolved oxygen Escherichia coli L NA NA L	Dairies Pasture Grazing	Category 5. (One or more uses impaired.) TMDLs needed. EPA approved DO and nutrient TMDLs for this stream that address some of the known pollutants on 7/12/2005.
TN06040002 032_0310	MUDDY BRANCH	Coffee	5.1	Alteration of stream-side or littoral vegetation Total Phosphorus Low dissolved oxygen Escherichia coli L L L L	Dairies Pasture Grazing	Category 5. (One or more uses impaired.) TMDLs needed.

2016 303(d) LIST (Duck River Watershed continued)

Waterbody ID	Impacted Waterbody	County	Miles/Acres Impaired	CAUSE / TMDL Priority	Pollutant Source	COMMENTS
TN06040002 032_2000	DUCK RIVER	Coffee	1.25	Escherichia coli NA	Collection System Failure	<a href="#">Water contact advisory</a> due to elevated bacteria levels. Category 4a. EPA approved a pathogen TMDL that addresses the known pollutant on 4/22/2004. Manchester area sewer overflows and urban runoff.
TN06040002 033_0300	BELL BUCKLE CREEK	Bedford	11.1	Low Dissolved Oxygen L Loss of biological integrity due to siltation NA Physical Substrate Habitat Alterations NA Escherichia coli NA	Municipal Point Source Unrestricted Cattle Access	Category 5. (One or more uses impaired.) TMDL needed. EPA approved pathogen and siltation/habitat alteration TMDLs that address some of the known pollutants on 5/17/05 and 7/18/06. Bell Buckle area impacts, incl. Bell Buckle STP.
TN06040002 033_0600	MUSE CREEK	Bedford	3.0	Loss of biological integrity due to siltation NA Alterations in stream-side or littoral vegetative cover NA	Unrestricted Cattle Access	Category 4a. EPA approved a siltation/habitat alteration TMDL that addresses some of the known pollutants on 7/18/2006 and 4/22/2004.
TN06040002 033_1000	WARTRACE CREEK	Bedford	15.0	Escherichia coli L	Pasture Grazing	Category 5. (One or more uses impaired.) TMDLs needed.
TN06040002 038_0300	HURRICANE CREEK	Bedford	22.03	Escherichia coli NA Loss of biological integrity due to siltation NA Physical Substrate Habitat Alterations NA	Pasture Grazing	Category 4a. EPA approved siltation/habitat alteration and pathogen TMDLs that address the known pollutants on 7/18/2006 and 4/22/2004.
TN06040002 038_1000	FALL CREEK	Bedford	11.4	Escherichia coli NA	Pasture Grazing	Category 4a. EPA approved a pathogen TMDL that addresses the known pollutant on 4/22/2004.
TN06040002 039_0200	WEAKLEY CREEK	Bedford	6.2	Escherichia coli NA	Pasture Grazing	Category 4a. EPA approved a pathogen TMDL that addresses the known pollutant on 4/22/2004.

**2016 303(d) LIST (Duck River Watershed continued)**

<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_0250	WEAKLEY CREEK	Bedford Rutherford	13.1	Loss of biological integrity due to siltation Nutrients Escherichia coli	NA NA NA	Pasture Grazing  Category 4a. EPA approved siltation, nutrient, and pathogen TMDLs that address the known pollutants on 7/18/2006, 7/12/2005, and 4/22/2004.
TN06040002 039_0300	ALEXANDER CREEK	Bedford Rutherford	21.1	Loss of biological integrity due to siltation Escherichia coli	NA NA	Pasture Grazing  Category 4a. EPA approved siltation and pathogen TMDLs that address the known pollutants on 7/18/2006 and 4/22/2004.
TN06040002 039_1000	NORTH FORK CREEK	Bedford	3.7	Escherichia coli	L	Pasture Grazing  Category 5. (One or more uses impaired.) TMDL needed.
TN06040002 039_2000	NORTH FORK CREEK	Bedford	4.0	Escherichia coli Nutrients	L L	Pasture Grazing  Category 5. (One or more uses impaired.) TMDLs needed.
TN06040002 039_3000	NORTH FORK CREEK	Bedford	9.2	Loss of biological integrity due to siltation Nutrients Escherichia coli	NA NA NA	Pasture Grazing  Category 4a. EPA approved siltation, nutrients, and pathogen TMDLs that address the known pollutants on 7/18/2006, 7/12/2005, and 4/22/2004.
TN06040002 046_1000	WILSON CREEK	Marshall Bedford	19.5	Escherichia coli Nitrate+Nitrite Physical Substrate Habitat Alterations	NA NA NA	Pasture Grazing  Category 4a. EPA approved pathogen, nutrient, and habitat alteration TMDLs that address the known pollutants on 4/22/2004, 7/12/2005, and 7/18/2006.
TN06040002 047_0100	WEST FORK SPRING CREEK	Marshall Williamson	3.5	Alterations in stream-side or littoral vegetative cover Loss of biological integrity due to siltation	L L	Pasture Grazing  Category 5. (One or more uses impaired.) TMDLs needed.
TN06040002 047_0200	EAST FORK SPRING CREEK	Marshall Rutherford	3.1	Alterations in stream-side or littoral vegetative cover	L	Pasture Grazing  Category 5. (One or more uses impaired.) TMDL needed.
TN06040002 047_0300	LICK CREEK	Marshall Rutherford	8.8	Escherichia coli	NA	Unrestricted Cattle Access  Category 4a. EPA approved a pathogen TMDL that addresses the known pollutant on 4/22/2004.
TN06040002 047_1000	SPRING CREEK	Marshall Rutherford	13.2	Escherichia coli	NA	Unrestricted Cattle Access  Category 4a. EPA approved a pathogen TMDL that addresses the known pollutant on 4/22/2004.

2016 303(d) LIST (Duck River Watershed continued)

Waterbody ID	Impacted Waterbody	County	Miles/Acres Impaired	CAUSE / TMDL Priority	Pollutant Source	COMMENTS
TN06040002 049_0400	WALLACE BRANCH	Maury Williamson	3.8	Escherichia coli NA	Pasture Grazing	Category 4a. EPA approved a pathogen TMDL that addresses the known pollutant on 4/22/2004.
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	Category 5. (One or more uses impaired.) TMDLs needed.
TN06040002 502_1000	LITTLE DUCK RIVER	Coffee	2.17	Escherichia coli NA	Collection System Failure	<a href="#">Water contact advisory</a> due to Manchester area collection system problems. Category 4a. EPA approved a pathogen TMDL that addresses the known pollutant on 4/22/2004.
TN06040002 502_2000	LITTLE DUCK RIVER	Coffee	10.6	Unknown Toxicity L Escherichia coli NA	Collection System Failure Urbanized High Density Area	<a href="#">Water contact advisory</a> due to Manchester area collection system problems. Category 5. (One or more uses impaired.) TMDL needed. EPA approved a pathogen TMDL that addresses the known pollutant on 4/22/2004.
TN06040003 001_2000	DUCK RIVER	Humphreys	16.46	Mercury L Total Phosphorus L	Atmospheric Deposition Pasture Grazing Municipal Point Source	Elevated mercury levels in gamefish. Category 5. (One or more uses impaired.) TMDLs needed.
TN06040003 005_0600	UNNAMED TRIB TO DUCK RIVER	Humphreys Hickman	17.03	Alteration to stream-side or littoral vegetative cover L Loss of biological integrity due to siltation L	Pasture Grazing	Category 5. (One or more uses impaired.) TMDLs needed.
TN06040003 005_1000	DUCK RIVER	Humphreys Hickman	4.05	Mercury L	Atmospheric Deposition	Elevated mercury levels in gamefish. Category 5. (One or more uses impaired.) TMDL needed.
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	Category 5. (One or more uses impaired.) TMDLs needed.
TN06040003 019_0300	UNNAMED TRIB TO BIG BIGBY CREEK	Maury	1.17	Loss of biological integrity due to siltation L Alteration to stream-side or littoral vegetative cover L	Pasture Grazing	Category 5. (One or more uses impaired.) TMDLs needed.

**2016 303(d) LIST (Duck River Watershed continued)**

<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 019_0700	DOG BRANCH	Maury	9.4	Escherichia coli L	Pasture Grazing	Category 5. (One or more uses impaired.) TMDL needed.
TN06040003 019_2000	BIG BIGBY CREEK	Maury	4.6	Escherichia coli NA	Pasture Grazing	Category 4a. EPA approved a pathogen TMDL that addresses the known pollutants on 3/1/05.
TN06040003 019_3000	BIG BIGBY CREEK	Maury	8.35	Alteration in stream-side or littoral vegetative cover L Total Phosphorus L	Pasture Grazing Surface Mining (phosphorus) Industrial Point Source	Category 5. (One or more uses impaired.) TMDLs needed.
TN06040003 023_0100	QUALITY CREEK	Maury	7.1	Nitrate+Nitrite L Total Phosphorus L Unionized Ammonia L Loss of biological integrity due to siltation NA Physical Substrate Habitat Alterations NA Chlorides L	Pasture Grazing Permitted Industrial Stormwater Discharge	Category 5. (One or more uses impaired.) TMDLs needed. EPA approved a siltation/habitat alteration TMDL that addresses some of the known pollutants on 2/26/2005.
TN06040003 023_0200	SUGAR CREEK	Maury	2.6	Nitrate+Nitrite L Total Phosphorus L Loss of biological integrity due to siltation NA Salinity/TDS/Chlorides L Other Habitat Alterations NA Total Dissolved Solids L	Surface Mining (phosphorus) Landfill Urbanized High Density Area Permitted Industrial Stormwater Discharge	Category 5. (One or more uses impaired.) TMDL needed. EPA approved a siltation/habitat alteration TMDL that addresses some of the known pollutants on 2/26/2005. (This segment was included in _0200 in TMDL.) Smelter Services & Associated Commodity landfills.
TN06040003 023_0210	UNNAMED TRIB TO SUGAR CREEK	Maury	1.0	Unionized Ammonia NA Chlorides NA Total Dissolved Solids NA	Landfill	Category 4b due to consent decree in place. Smelter Services & Associated Commodity landfill.
TN06040003 023_0250	SUGAR CREEK	Maury	2.5	Nitrate+Nitrite L Total Phosphorus L Chlorides NA Total Dissolved Solids NA	Surface Mining (phosphorus) Landfill	Category 5 for nutrient. (One or more uses impaired.) TMDLs needed. Category 4b for other pollutants due to consent decree in place. Smelter Services & Associated Commodity landfill.

2016 303(d) LIST (Duck River Watershed continued)

Waterbody ID	Impacted Waterbody	County	Miles/Acres Impaired	CAUSE / TMDL Priority	Pollutant Source	COMMENTS	
TN06040003 ARROWLK_1000	ARROW LAKE	Maury	56.1 ac	pH Unionized Ammonia Nitrate+Nitrite Chlorides Total Phosphorus	NA NA L NA L	Landfill Surface Mining	Category 5 for nutrients. (One or more uses impaired.) TMDL needed. Category 4b for other pollutants due to consent decree in place. Smelter Services & Associated Commodity landfill.
TN06040003 023_1000	SUGAR FORK	Maury	1.77	Total Phosphorus Nitrate+Nitrite Escherichia coli Chlorides	L L NA L	Municipal Point Source Landfill Permitted Industrial Stormwater Discharge	Category 5. (One or more uses impaired.) TMDLs needed. EPA approved a pathogen TMDL that addresses some of the known pollutants on 3/1/05. Mt Pleasant STP.
TN06040003 023_2000	SUGAR FORK	Maury	1.13	Loss of biological integrity due to siltation Total Phosphorus Nitrate+Nitrite Escherichia coli	L L L L	Urbanized High Density Area Permitted Industrial Stormwater Discharge Landfill	Category 5. (One or more uses impaired.) TMDLs needed. Mt Pleasant area sources.
TN06040003 024_0100	BEASLEY HOLLOW	Maury	0.79	Flow Alteration Low Dissolved Oxygen	NA L	Upstream Impoundment	Category 5. (One or more uses impaired.) TMDL needed. Flow alteration is 4c (Impairment not due to pollutant.)
TN06040003 024_1000	DUCK RIVER	Maury	12.66	Total Phosphorus	L	Surface Mining (phosphorus) Municipal Point Source Pasture Grazing	Category 5. (One or more uses impaired.) TMDL needed.
TN06040003 026_1000	DUCK RIVER	Maury	7.43	Total Phosphorus Low Dissolved Oxygen	L L	Municipal Point Source Discharges from MS4 Area	Category 5. (One or more uses impaired.)TMDLs needed. Columbia area impacts.
TN06040003 027_0100	UNNAMED TRIB TO LITTLE BIGBY CR.	Maury	2.0	Physical Substrate Habitat Alterations Other Anthropogenic Alterations	NA NA	Discharges from MS4 area Channelization	Category 4a. EPA approved a habitat alteration TMDL that addresses the known pollutant on 2/26/2005.
TN06040003 030_0100	UNNAMED TRIB TO LYTLE CREEK	Maury	1.6	Loss of biological integrity due to siltation Physical Substrate Habitat Alterations	NA NA	Discharges from MS4 area Channelization	Category 4a. EPA approved siltation/habitat alteration TMDLs that address the known pollutants on 2/26/2005.

**2016 303(d) LIST (Duck River Watershed continued)**

<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	Category 4a. EPA approved a siltation TMDL that addressees the known pollutant on 2/26/2005. (This segment was part of _0300 in TMDL.)
TN06040003 030_1000	LYTLE CREEK	Maury	2.4	Loss of biological integrity due to siltation L	Discharges from MS4 area	Category 5. (One or more uses impaired.) TMDLs needed.
TN06040003 034_0260	COLEMAN BRANCH	Maury	1.02	Loss of biological integrity due to siltation L	Land Development Discharges from MS4 area	Category 5. (One or more uses impaired.) TMDLs needed.
TN06040003 034_0410	GRASSY BRANCH	Maury Williamson	7.18	Alteration in Stream-side or littoral vegetative cover Loss of biological integrity due to siltation L L	Discharges from MS4 area	Category 5. (One or more uses impaired.) TMDLs needed.
TN06040003 034_0700	CROOKED CREEK	Maury	2.5	Loss of biological integrity due to siltation Physical Substrate Habitat Alterations NA NA	Pasture Grazing Discharge from MS4 area	Category 4a. EPA approved a siltation/habitat alteration TMDL that addresses the known pollutants on 2/26/2005.
TN06040003 034_2000	RUTHERFORD CREEK	Maury	10.0	Alteration in Stream-side or littoral vegetative cover Loss of biological integrity due to siltation Nitrate+Nitrite Total Phosphorus NA NA L L	Municipal Point Source Discharge from MS4 area	Category 5. (One or more uses impaired.) TMDL needed. EPA approved a siltation/habitat alteration TMDL that addresses some of the known pollutants on 2/26/2005.
TN06040003 041_0800	POTTS BRANCH	Maury	1.82	Escherichia coli NA	Concentrated Animal Feeding Operation	Category 4a. EPA approved a pathogen TMDL that addresses the known pollutant on 3/1/05. (This segment was part of _0800 in TMDL.)
TN06040003 041_0810	UNNAMED TRIBUTARY TO POTTS BRANCH	Maury	1.07	Escherichia coli Nitrate+Nitrite Total Phosphorus NA L L	Concentrated Animal Feeding Operation	Category 5. (One or more uses impaired.) TMDLs needed. EPA approved a pathogen TMDL that addresses the known pollutant on 3/1/05. (This segment was part of _0800 in TMDL.)
TN06040003 041_0900	LUNNS BRANCH	Hickman Maury	3.3	Escherichia coli L	Concentrated Animal Feeding Operation	Category 5. (One or more uses impaired.) TMDLs needed.

**2016 303(d) LIST (Duck River Watershed continued)**

Waterbody ID	Impacted Waterbody	County	Miles/Acres Impaired	CAUSE / TMDL Priority	Pollutant Source	COMMENTS
TN06040003 041_1100	DOG CREEK	Hickman Maury	13.8	Escherichia coli L	Pasture Grazing	Category 5. (One or more uses impaired.) TMDLs needed.
TN06040003 050_0620	GRAB CREEK	Dickson	3.94	Escherichia coli L	Pasture Grazing Discharges from MS4 area	Category 5. (One or more uses impaired.) TMDL needed.
TN06040003 060_0700	EGYPT HOLLOW CREEK	Humphreys	4.68	Flow Alterations NA Low dissolved oxygen L Manganese L Iron..... L	Upstream Impoundment	Category 5. (One or more uses impaired.) TMDLs needed. Flow is Category 4c (Impairment not due to a pollutant.)
TN06040003 062_3000	BLUE CREEK	Humphreys	5.1	Nitrate+Nitrite L Total Phosphorus L Low dissolved oxygen L Solids L Escherichia coli NA	Municipal Point Source	Category 5. (One or more uses impaired.) TMDLs needed. EPA approved a pathogen TMDL that addresses some of the known pollutants on 3/1/05. McEwen STP. <b><i>TMDL Vision Priority Watershed</i></b>

**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_0200	BLACK BRANCH	Humphreys	10.07	Alteration in Stream-side or littoral vegetative cover L Loss of biological integrity due to siltation L	Nonirrigated Crop Production Pasture Grazing	Category 5. (One or more uses impaired.) TMDLs needed.
TN06040004 001_0700	MARRS BRANCH	Perry	4.55	Alteration in Stream-side or littoral vegetative cover L Loss of biological integrity due to siltation L Physical Habitat Alteration L	Urbanized High Density Area Pasture Grazing Channelization	Category 5. (One or more uses impaired.) TMDLs needed.
TN06040004 001_1000	BUFFALO RIVER	Humphreys Perry	38.3	Mercury L	Atmospheric Deposition	<a href="#">Fishing advisory</a> due to mercury. Category 5. (One or more uses impaired.) TMDL needed.
TN06040004 013_0110	SQUAW BRANCH	Lewis Lawrence	4.33	Flow Alteration NA Low Dissolved Oxygen L Iron L	Upstream Impoundment	Category 5. (One or more uses impaired.) TMDL needed. Flow alteration is 4c (Impairment not due to a pollutant).

**2016 303(d) LIST (Buffalo River Watershed continued)**

Waterbody ID	Impacted Waterbody	County	Miles/Acres Impaired	CAUSE / TMDL Priority	Pollutant Source	COMMENTS
TN06040004 013_0150	CHIEF CREEK	Lewis Lawrence	3.98	Flow Alteration NA	Upstream Impoundment	Category 4c. (Impairment not due to a pollutant.) Impacted by lack of flow and poor quality releases from Maddox Lake.
TN06040004 013_0200	WEAVER BRANCH	Lawrence	1.3	Flow alteration NA Low dissolved oxygen L Iron L	Upstream Impoundment	Category 5. (One or more uses impaired.) TMDLs needed. Flow alteration is 4c (Impairment impact not caused by a pollutant). Lack of flow and poor quality releases from VFW Lake.
TN06040004 013_0400	DRY BRANCH	Lawrence	2.34	Escherichia coli L Solids L	Concentrated Animal Feeding Operation	Category 5. (One or more uses impaired.) TMDLs needed.
TN06040004 025_2000	ROCKHOUSE CREEK	Lewis	5.1	Physical Substrate Habitat Alterations L Escherichia coli NA	Urbanized High Density Area Dredging	Category 5. (One or more uses impaired.) TMDL needed. EPA approved a pathogen TMDL that addresses some of the known pollutants on 3/1/05.

**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_0100	RABBIT CREEK	Henry	4.1	Alteration in stream-side or littoral vegetative cover L	Pasture Grazing	Category 5. (One or more uses impaired.) TMDL needed.
TN06040005 019_0200	SOUTH FORK BLOOD RIVER	Henry	4.95	Physical Substrate Habitat Alterations L Loss of biological integrity due to siltation L	Nonirrigated Crop Production Channelization	Category 5. (One or more uses impaired.) TMDLs needed.
TN06040005 019_1000	BLOOD RIVER	Henry	5.6	Physical Substrate Habitat Alterations L	Nonirrigated Crop Production Channelization	Category 5. (One or more uses impaired.) TMDL needed. Stream shared with Kentucky. Headwaters in Tennessee are channelized.
TN06040005 038_0100	WEST SANDY EMBAYMENT	Henry	1101.12 ac	Nutrients L Low dissolved oxygen L Loss of biological integrity due to siltation L Mercury L	Septic Tanks Upstream Impoundment Atmospheric Deposition	Category 5. (One or more uses impaired.) TMDLs needed.
TN06040005 038_0150	SPRINGVILLE BOTTOM	Henry	3228 ac	Mercury L	Atmospheric Deposition	Category 5. (One or more uses impaired.) TMDL needed.

**2016 303(d) LIST (Lower Kentucky Reservoir Watershed continued)**

<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 024_0110	TOWN CREEK	Henry	9.55	Physical Substrate Habitat Alterations L	Channelization	Category 5. (One or more uses impaired.) TMDL needed.
TN06040005 038_1000	BIG SANDY EMBAYMENT	Benton Henry	13978.39 ac	Mercury L	Atmospheric Deposition	Category 5. (One or more uses impaired.) TMDL needed.
TN06040005 020T_0510	UNNAMED TRIB TO FORD CREEK	Benton	3.53	Flow Alteration NA	Upstream Impoundment	Category 4c. (Impairment not due to a pollutant.) Creek is impacted by lack of flow and poor quality releases from Blackburn Lake.
TN06040005 023_0500	CLIFTY CREEK	Henry	15.8	Low dissolved oxygen L Loss of biological integrity due to siltation L Total Phosphorus L	Pasture Grazing Nonirrigated Crop Production Urbanized High Density Area	Category 5. (One or more uses impaired.) TMDLs needed.
TN06040005 024_0111	UNNAMED TRIB TO TOWN CREEK	Henry	0.55	Flow Alteration NA	Upstream Impoundment	Category 4c. (Impairment not due to a pollutant.) Creek is impacted by lack of flow and poor quality releases from Green Acres Lake.
TN06040005 024_0114	THREEMILE BRANCH	Henry	4.72	Flow Alteration NA	Upstream Impoundment	Category 4c. (Impairment not due to a pollutant.) Creek is impacted by lack of flow and poor quality releases from Smith Lake.
TN06040005 024_0600	BRUSHY BRANCH	Henry	8.1	Alteration in stream-side or littoral vegetative cover L	Pasture Grazing	Category 5. (One or more uses impaired.) TMDL needed.
TN06040005 027_0350	DRY CREEK	Benton	1.4	Flow Alteration NA	Upstream Impoundment	Category 4c (Impairment not due to a pollutant.) Impacted by lack of flow and poor quality releases from Cedar Lake #2.
TN06040005 027_0700	HUNTING CREEK	Benton Carroll	11.4	Loss of biological integrity due to siltation L	Sand/Gravel/Rock Mining	Category 5. (One or more uses impaired.) TMDL needed.
TN06040005 027_1000	BIG SANDY RIVER	Carroll	27.7	Mercury L	Atmospheric deposition	Category 5. (One or more uses impaired.) TMDL needed.
TN06040005 027_1310	HOLLOW ROCK BRANCH	Carroll	11.71	Alteration in stream-side or littoral vegetative cover L	Nonirrigated Crop Production	Category 5. (One or more uses impaired.) TMDL needed.
TN06040005 027_1610	PANTHER CREEK	Henry	6.33	Alteration in stream-side or littoral vegetative cover L Loss of biological integrity due to siltation L	Pasture Grazing Channelization Nonirrigated Crop Production	Category 5. (One or more uses impaired.) TMDLs needed.

**2016 303(d) LIST (Lower Kentucky Reservoir Watershed continued)**

<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_0150	MAPLE CREEK	Carroll	4.0	Flow Alteration NA	Upstream Impoundment	Category 4c. (Impairment not due to a pollutant.) Creek impacted by poor quality releases from Maple Creek Lake.
TN06040005 032_0300	MORRIS CREEK	Carroll Henderson	15.24	Alteration in stream-side or littoral vegetative cover L Loss of biological integrity due to siltation L	Nonirrigated Crop Production Channelization	Category 5. (One or more uses impaired.) TMDLs needed.
TN06040005 032_0600	OLIVE BRANCH	Henderson	9.2	Alteration in stream-side or littoral vegetative cover L Loss of biological integrity due to siltation L	Nonirrigated Crop Production Pasture Grazing	Category 5. (One or more uses impaired.) TMDLs needed.
TN06040005 032_0700	BIG BEAVER CREEK	Henderson	13.13	Physical Substrate Habitat Alterations L Alteration in stream-side or littoral vegetative cover L	Channelization Nonirrigated Crop Production	Category 5. (One or more uses impaired.) TMDLs needed.
TN06040005 032_0720	LITTLE BEAVER CREEK	Henderson	5.84	Nitrate+Nitrite L Total Phosphorus L Physical Substrate Habitat Alterations L	Pasture Grazing Channelization	Category 5. (One or more uses impaired.) TMDLs needed.
TN06040005 032_0900	MUD CREEK	Carroll Henderson	8.53	Nitrate+Nitrite L Total Phosphorus L Low dissolved oxygen L Escherichia coli NA	Pasture Grazing Nonirrigated Crop Production	Category 5. (One or more uses impaired.) TMDLs needed. EPA approved a pathogen TMDL that addresses some of the known pollutants in 2/5/06. (This segment was part of _0900 in TMDL.)
TN06040005 032_1000	BIG SANDY RIVER	Carroll	7.3	Escherichia coli NA Mercury L	Pasture Grazing Atmospheric Deposition	Category 5. (One or more uses impaired.) TMDL needed. EPA has approved a pathogen TMDL that addresses known pollutants on 2/5/06.
TN06040005 032_2000	BIG SANDY RIVER	Carroll Henderson	12.5	Nitrate+Nitrite L Total Phosphorus L Low dissolved oxygen L Escherichia coli NA Mercury L	Pasture Grazing Atmospheric Deposition	Category 5. (One or more uses impaired.) TMDLs needed. EPA has approved a pathogen TMDL that addresses some of the known pollutants on 2/5/06.
TN06040005 050_0100	CONLEY BRANCH	Humphreys	3.7	Escherichia coli L	Collection System Failure	Category 5. (One or more uses impaired.) TMDL needed.

**2016 303(d) LIST (Lower Kentucky Reservoir Watershed continued)**

<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 050_1000	TRACE CREEK	Humphreys	5.33	Nitrate+Nitrite Total Phosphorus L L	Municipal Point Source	Category 5. (One or more uses impaired.) TMDLs needed. Waverly area impacts, including Waverly STP. <b>TMDL Vision Priority Watershed</b>
TN06040005 059_0500	PINHOOK BRANCH	Humphreys Houston	10.2	Alteration in stream-side or littoral vegetative cover L	Pasture Grazing	Category 5. (One or more uses impaired.) TMDL needed.
TN06040005 063_0250	SOUTH FORK HURRICANE CREEK	Houston	3.3	Flow alteration Low Dissolved Oxygen Loss of biological integrity due to siltation NA L L	Upstream Impoundment Land Development	Category 5. (One or more uses impaired.) TMDLs needed. Flow alteration is 4c. (Impairment not due to a pollutant.) Creek is impacted by lack of flow and poor quality releases from Lakeview Circle Lake.
TN06040005 870_0100	UNNAMED TRIB TO CYPRESS CREEK	Benton	0.76	Coal Ash L	Landfills	Category 5. (One or more uses impaired.) TMDL needed. Trans Ash site.
TN06040005 870_0210	CANE CREEK	Benton	2.84	Alteration in stream-side or littoral vegetative cover L	Urbanized High Density Area Channelization	Category 5. (One or more uses impaired.) TMDL needed.
TN06040005 870_0415	CHARLIE CREEK	Benton	1.0	Flow Alteration Low Dissolved Oxygen NA L	Upstream Impoundment	Category 5. (One or more uses impaired.) TMDL needed. Flow alteration is 4c. (Impairment is not due to pollutant.) Lack of flow and poor quality releases from Shannon Lake.

**East Fork Clarks River** This basin contains the following USGS Hydrologic Unit Codes: 06040006 (East Fork Clarks 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>
TN06040006 014_0100	WHITE OAK CREEK	Henry	1.09	Physical Substrate Habitat Alterations L	Nonirrigated Crop Production	Category 5. (One or more uses impaired.) TMDL needed.
TN06040006 014_0200	DRY CREEK	Henry	4.99	Physical Substrate Habitat Alterations L	Nonirrigated Crop Production	Category 5. (One or more uses impaired.) TMDL needed.
TN06040006 014_0300	PLEASANT GROVE CREEK	Henry	1.63	Physical Substrate Habitat Alterations L	Nonirrigated Crop Production	Category 5. (One or more uses impaired.) TMDL needed.
TN06040006 014_1000	EAST FORK CLARKS RIVER	Henry	5.90	Physical Substrate Habitat Alterations L	Nonirrigated Crop Production	Category 5. (One or more uses impaired.) TMDL needed.

## 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_0100	HARRIS DITCH	Lake	7.58	Physical Substrate Habitat Alterations L	Channelization	Category 5. (One or more uses impaired.) TMDL needed.
TN08010100 001_0110	OLD GRAVEYARD SLOUGH	Lake	13.01	Physical Substrate Habitat Alterations L Loss of biological integrity due to siltation L	Nonirrigated Crop Production Channelization	Category 5. (One or more uses impaired.) TMDLs needed. Near Tiptonville
TN08010100 001_0200	BLUE BANK BAYOU	Lake	15.46	Nitrate+Nitrite L Loss of biological integrity due to siltation L Escherichia coli L	Nonirrigated Crop Production Undetermined Source	Category 5. (One or more uses impaired.) TMDLs needed.
TN08010100 001_0320	COLD CREEK	Lauderdale	42.2	Loss of biological integrity due to siltation L Escherichia coli L	Pasture Grazing Nonirrigated Crop Production	Category 5. (One or more uses impaired.) TMDLs needed. Randomly selected for statewide Wadeable Streams Study.
TN08010100 001_1000	MISSISSIPPI RIVER	Shelby	24.9	Mercury L PCBs NA Dioxin NA Chlordane NA Physical Substrate Habitat Alterations L	Atmospheric Deposition Dredging Contaminated Sediments Sources Outside the State	<a href="#">Fishing advisory</a> originally due to chlordane. Category 5. (One or more uses impaired.) TMDLs needed. EPA approved PCB, chlordane, and dioxin TMDLs that address some of the known pollutants on 7/25/2008.
TN08010100 001_1100	WOLF RIVER HARBOR	Shelby	3.0	Mercury L PCBs L Dioxin L Chlordane L	Atmospheric Deposition Contaminated Sediments	<a href="#">Fishing advisory</a> originally due to chlordane. Category 5. (One or more uses impaired.) TMDLs needed.
TN08010100 001_1200	MCKELLAR LAKE	Shelby	13.0	Mercury L PCBs L Chlordane L Dioxin L Nitrate+Nitrite L Loss of biological integrity due to siltation L Low dissolved oxygen L Escherichia coli L	Atmospheric Deposition Collection System Failure Discharges from MS4 area Dredging Contaminated Sediment	<a href="#">Fishing advisory</a> originally due to chlordane. Category 5. (One or more uses impaired.) TMDLs needed. McKellar Lake is not really a lake.
TN08010100 001_2000	MISSISSIPPI RIVER	Shelby Tipton	40.0	PCBs NA Dioxin NA Chlordane NA Physical Substrate Habitat Alterations L	Dredging Contaminated Sediment	Category 5. (One or more uses impaired.) TMDL needed. EPA approved PCB, chlordane, and dioxin TMDLs that address some of the known pollutants on 7/25/2008.

**2016 303(d) LIST (Mississippi River Watershed continued)**

<b>Waterbody ID</b>	<b>Impacted Waterbody</b>	<b>County</b>	<b>Miles/Acres Impaired</b>	<b>CAUSE TMDL Priority</b>	<b>Pollutant Source</b>	<b>COMMENTS</b>	
TN08010100 001_3000	MISSISSIPPI RIVER	Tipton Lauderdale	45.2	PCBs Dioxin Chlordane Physical Substrate Habitat Alterations	NA NA NA L	Dredging Contaminated Sediment	Category 5. (One or more uses impaired.) TMDL needed. EPA approved mercury, PCB, chlordane, and dioxin TMDLs that address some of the known pollutants on 7/25/2008.
TN08010100 001_4000	MISSISSIPPI RIVER	Dyer Lake	74.0	PCBs Dioxin Chlordane Physical Substrate Habitat Alterations	NA NA NA L	Dredging Contaminated Sediment	Category 5. (One or more uses impaired.) TMDL needed. EPA approved PCB, chlordane, and dioxin TMDLs that address some of the known pollutants on 7/25/2008. Habitat for federally listed pallid sturgeon ( <i>Scaphirhynchus albus</i> ).
TN08010100 001_5000	MISSISSIPPI RIVER	Lake	10.2	PCBs Dioxin Chlordane Physical Substrate Habitat Alterations	NA NA NA L	Dredging Contaminated Sediment	Category 5. (One or more uses impaired.) TMDL needed. EPA approved PCB, chlordane, and dioxin TMDLs that address some of the known pollutants on 7/25/2008.

**Obion River Basin**

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

<b>Waterbody ID</b>	<b>Impacted Waterbody</b>	<b>County</b>	<b>Miles/Acres Impaired</b>	<b>CAUSE TMDL Priority</b>	<b>Pollutant Source</b>	<b>COMMENTS</b>	
TN08010202 001_0200	JOHNSON CREEK	Obion Dyer	10.9	Loss of biological integrity due to siltation Physical Substrate Habitat Alterations	L L	Nonirrigated Crop Production Channelization	Category 5. (One or more uses impaired.) TMDLs needed.
TN08010202 001_0700	GRASS CREEK	Obion Gibson	31.7	Escherichia coli	L	Pasture Grazing	Category 5. (One or more uses impaired.) TMDL needed.
TN08010202 001_1000	OBION RIVER	Dyer	28.6	Loss of biological integrity due to siltation Physical Substrate Habitat Alterations Escherichia coli	L L L	Nonirrigated Crop Production Channelization Undetermined Source	Category 5. (One or more uses impaired.) TMDLs needed.
TN08010202 001_2000	OBION RIVER	Dyer	23.0	Loss of biological integrity due to siltation Physical Substrate Habitat Alterations	L L	Nonirrigated Crop Production Channelization	Category 5. (One or more uses impaired.) TMDLs needed.

**2016 303(d) LIST (Obion River Watershed continued)**

<b>Waterbody ID</b>	<b>Impacted Waterbody</b>	<b>County</b>	<b>Miles/Acres Impaired</b>	<b>CAUSE / TMDL Priority</b>	<b>Pollutant Source</b>	<b>COMMENTS</b>
TN08010202 001- 3000	OBION RIVER	Dyer Obion	14.0	Loss of biological integrity due to siltation L Physical Substrate Habitat Alterations L Escherichia coli L	Nonirrigated Crop Production Channelization Undetermined Source	Category 5. (One or more uses impaired.) TMDLs needed.
TN08010202 001_4000	OBION RIVER	Obion	7.6	Loss of biological integrity due to siltation L Physical Substrate Habitat Alterations L Escherichia coli NA	Nonirrigated Crop Production Channelization Undetermined Source	Category 5. (One or more uses impaired.) TMDLs needed. EPA has approved a pathogen TMDL that addresses some of the known pollutants on 3/5/2007.
TN08010202 003_0100	COOL SPRINGS BRANCH	Dyer Gibson	22.1	Loss of biological integrity due to siltation L Physical Substrate Habitat Alterations L Low Dissolved Oxygen L	Nonirrigated Crop Production Channelization Undetermined Source	Category 5. (One or more uses impaired.) TMDLs needed.
TN08010202 003_1000	REEDS CREEK	Dyer Gibson	8.3	Loss of biological integrity due to siltation L Physical Substrate Habitat Alterations L Escherichia coli L Low Dissolved Oxygen L	Nonirrigated Crop Production Channelization Undetermined Source	Category 5. (One or more uses impaired.) TMDLs needed.
TN08010202 009_0100	UNNAMED TRIB TO NORTH FORK OBION RIVER	Obion	20.6	Low Dissolved Oxygen L Escherichia coli L	Discharges from MS4 area	Category 5. (One or more uses impaired.) TMDLs needed.
TN08010202 009_0200	TOMMY CREEK	Weakley	7.4	Loss of biological integrity due to siltation L Physical Substrate Habitat Alterations L	Nonirrigated Crop Production	Category 5. (One or more uses impaired.) TMDLs needed.
TN08010202 009_0700	BIGGS CREEK	Weakley	2.2	Escherichia coli NA	Pasture Grazing	Category 4a. EPA approved a pathogen TMDL that addresses the known pollutant on 3/5/2007.
TN08010202 009_0710	HURRICANE CREEK	Weakley	13.6	Nitrate+Nitrite L Loss of biological integrity due to siltation L Alteration in stream-side or littoral vegetative cover L Escherichia coli NA	Nonirrigated Crop Production Channelization Pasture Grazing	Category 5. (One or more uses impaired.) TMDLs needed. EPA has approved a pathogen TMDL that addresses some of the known pollutants on 3/5/2007.
TN08010202 009_1000	NORTH FORK OBION RIVER	Obion Weakley	10.13	Loss of biological integrity due to siltation L Physical Substrate Habitat Alterations L	Nonirrigated Crop Production Channelization	Category 5. (One or more uses impaired.) TMDLs needed.

**2016 303(d) LIST (Obion River Watershed continued)**

<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_1900	MAYO BRANCH	Weakley	7.4	Physical Substrate Habitat Alterations L	Nonirrigated Crop Production	Category 5. (One or more uses impaired.) TMDL needed.
TN08010202 014_0300	CLAYPIT CREEK	Weakley	3.8	Loss of biological integrity due to siltation L Physical Substrate Habitat Alterations L	Nonirrigated Crop Production Upstream Impoundment	Category 5. (One or more uses impaired.) TMDLs needed.
TN08010202 014_0400	STRAWBERRY BRANCH	Weakley	1.92	Loss of biological integrity due to siltation L Physical Substrate Habitat Alterations L	Nonirrigated Crop Production Upstream Impoundment Channelization	Category 5. (One or more uses impaired.) TMDLs needed.
TN08010202 014_0500	OWL BRANCH	Weakley	2.73	Loss of biological integrity due to siltation L Physical Substrate Habitat Alterations L	Nonirrigated Crop Production Channelization	Category 5. (One or more uses impaired.) TMDLs needed.
TN08010202 014_1000	CYPRESS CREEK	Weakley	10.66	Escherichia coli L	Pasture Grazing	Category 5. (One or more uses impaired.) TMDL needed.
TN08010202 024_0100	WOLF CREEK	Obion	5.3	Loss of biological integrity due to siltation L Physical Substrate Habitat Alterations L	Nonirrigated Crop Production Channelization	Category 5. (One or more uses impaired.) TMDLs needed.
TN08010202 024_0200	WALNUT GROVE CREEK	Obion	6.2	Loss of biological integrity due to siltation L Physical Substrate Habitat Alterations L	Nonirrigated Crop Production Channelization	Category 5. (One or more uses impaired.) TMDLs needed.
TN08010202 024_0300	TROUBLE CREEK	Weakley	4.7	Loss of biological integrity due to siltation L Physical Substrate Habitat Alterations L	Nonirrigated Crop Production Channelization	Category 5. (One or more uses impaired.) TMDLs needed.
TN08010202 024_0400	JONES BRANCH	Weakley	5.2	Loss of biological integrity due to siltation L Physical Substrate Habitat Alterations L	Nonirrigated Crop Production Channelization	Category 5. (One or more uses impaired.) TMDLs needed.
TN08010202 024_1000	RICHLAND CREEK	Weakley Obion	12.2	Loss of biological integrity due to siltation L Physical Substrate Habitat Alterations L	Pasture Grazing Channelization	Category 5. (One or more uses impaired.) TMDLs needed.
TN08010202 027_1000	RICHLAND CREEK	Obion	11.2	Loss of biological integrity due to siltation L Physical Substrate Habitat Alterations L	Nonirrigated Crop Production Channelization	Category 5. (One or more uses impaired.) TMDLs needed.

**2016 303(d) LIST (Obion River Watershed continued)**

<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 028_0100	UNNAMED TRIB TO CLOVER CREEK	Obion	3.74	Physical Substrate Habitat Alterations L Alteration in stream-side or littoral vegetative cover L Low Dissolved Oxygen L Loss of biological integrity due to siltation L Nitrate+Nitrite L Total Phosphorus L	Channelization Nonirrigated Crop Production	Category 5. (One or more uses impaired.) TMDLs needed.
TN08010202 028_1000	CLOVER CREEK	Obion	11.7	Loss of biological integrity due to siltation L Physical Substrate Habitat Alterations L	Nonirrigated Crop Production Channelization	Category 5. (One or more uses impaired.) TMDLs needed.
TN08010202 029_1000	RUNNING REELFOOT BAYOU	Obion Lake	23.8	Low Dissolved Oxygen L Loss of biological integrity due to siltation L Flow Alteration NA Nutrients L Physical Substrate Habitat Alterations L	Nonirrigated Crop Production Channelization Upstream Impoundment Landfill	Category 5. (One or more uses impaired.) TMDLs needed. Flow alteration is 4c (impact not caused by a pollutant). Two fully supporting tributaries, Paw Paw Creek and Rock Branch are reference streams for the West TN uplands.
TN08010202 036_0100	NORTH REELFOOT CREEK	Obion	20.6	Escherichia coli NA Physical Substrate Habitat Alterations L Alteration in stream-side or littoral vegetative cover L Nitrate+Nitrite L Total Phosphorus L	Pasture Grazing Channelization Nonirrigated Crop Production	Category 5. (One or more uses impaired.) TMDLs needed.
TN08010202 036_0120	TULL CREEK	Obion	1.1	Low Dissolved Oxygen L Flow alteration NA	Upstream Impoundment	Category 5. (One or more uses impaired.) TMDL needed. Flow alteration is 4c. (Impairment not due to a pollutant). Randomly selected for Impounded Streams Study below Reelfoot Watershed Lake #14.

**2016 303(d) LIST (Obion River Watershed continued)**

<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 036_0160	TAYLOR CREEK	Obion	10.5	Low Dissolved Oxygen L Flow alteration NA Other Anthropogenic Habitat Alterations L	Upstream Impoundment Channelization	Category 5. (One or more uses impaired.) TMDLs needed. Flow alteration is 4c. (Impairment not due to pollutant.). Randomly selected for Impounded Streams Study below Reelfoot Watershed Lake #7.
TN08010202 036_0200	SOUTH REELFOOT CREEK	Obion	13.7	Escherichia coli L	Pasture Grazing	Category 5. (One or more uses impaired.). TMDL needed.
TN08010202 036_1000	REELFOOT CREEK	Obion	5.87	Loss of biological integrity due to siltation L Nutrients L Flow alteration NA Escherichia coli NA	Nonirrigated Crop Production Upstream Impoundment Channelization Pasture Grazing	Category 5. (One or more uses impaired.) TMDLs needed. Flow alteration is 4c. (Impairment not due to pollutant.) EPA approved a pathogen TMDL that addresses some of the known pollutants on 3/15/2007. Channelization, erosion and the building of sedimentation dams have caused impacts.
TN08010202 040_1000	BLUE BASIN, REELFOOT LAKE	Obion Lake	10950.0 ac	Loss of biological integrity due to siltation L Nutrients L Low dissolved oxygen L Flow alteration NA	Nonirrigated Crop Production Land Development Internal Nutrient Cycling Drainage/filling wetlands	Category 5. (One or more uses impaired.) TMDLs needed. Flow alteration is 4c. (Impairment not due to pollutant.) Blue Basin has been impacted by shoreline development, sedimentation, low DO, and the effects of accelerated eutrophication.
TN08010202 040_2000	BUCK BASIN, REELFOOT LAKE	Obion	2900 ac	Nutrients L Loss of biological integrity due to siltation L Noxious Aquatic Plants L Low dissolved oxygen L	Nonirrigated Crop Production Internal Nutrient Cycling	Category 5. (One or more uses impaired.) TMDLs needed. Buck Basin impacted by low DO, sedimentation, aquatic plants, and accelerated eutrophication.
TN08010202 040_3000	UPPER BLUE BASIN, REELFOOT LAKE	Obion	1650 ac	Nutrients L Loss of biological integrity due to siltation L Noxious Aquatic Plants L Low DO L	Nonirrigated Crop Production Internal Nutrient Cycling	Category 5. (One or more uses impaired.) TMDLs needed. Upper Blue Basin impacted by sedimentation, low DO, aquatic plants, and the effects of accelerated eutrophication.

**2016 303(d) LIST (Obion River Watershed continued)**

<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 040T_0500	INDIAN CREEK	Obion	11.5	Loss of biological integrity due to siltation Flow Alteration L NA	Nonirrigated Crop Production Upstream Impoundment	Category 5. (One or more uses impaired.) TMDL needed. Flow alteration is 4c (Impairment not due to a pollutant). Impoundment has altered stream flows.
TN08010202 048_0100	ZION CREEK	Obion	11.8	Physical Substrate Habitat Alterations L	Channelization	Category 5. (One or more uses impaired.) TMDL needed.
TN08010202 048_1000	CLOVERDALE CREEK	Obion Dyer	8.7	Physical Substrate Habitat Alterations L	Nonirrigated Crop Production Channelization	Category 5. (One or more uses impaired.) TMDL needed.
TN08010202 054_1000	BIFFLE CREEK	Dyer	7.8	Physical Substrate Habitat Alterations L	Nonirrigated Crop Production Channelization	Category 5. (One or more uses impaired.) TMDL needed.
TN08010202 419_1000	HOOSIER CREEK	Obion	10.3	Loss of biological integrity due to siltation Physical Substrate Habitat Alterations L L	Nonirrigated Crop Production Channelization	Category 5. (One or more uses impaired.) TMDLs needed.
TN08010202 500_1000	CYPRESS CREEK	Obion Weakley	12.1	Total Phosphorus Alteration in stream-side or littoral vegetative cover Physical Substrate Habitat Alterations L L L	Land Application of Wastes Nonirrigated Crop Production Channelization	Category 5. (One or more uses impaired.) TMDLs needed.

**South Fork Obion River**

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

<b>Waterbody ID</b>	<b>Impacted Waterbody</b>	<b>County</b>	<b>Miles/Acres Impaired</b>	<b>CAUSE / TMDL Priority</b>	<b>Pollutant Source</b>	<b>COMMENTS</b>
TN08010203 001_0500	BEAR CREEK	Weakley Carroll	16.2	Alteration in stream-side or littoral vegetative cover Loss of biological integrity due to siltation L L	Nonirrigated Crop Production Channelization	Category 5. (One or more uses impaired.) TMDLs needed.
TN08010203 001_0700	TODD CREEK	Weakley Carroll	4.98	Loss of biological integrity due to siltation L	Pasture Grazing	Category 5. (One or more uses impaired.) TMDL needed.
TN08010203 001_0900	CLEAR CREEK	Carroll	3.6	Escherichia coli NA	Municipal Point Source	Category 4a. EPA approved a pathogen TMDL that addresses the known pollutant on 3/5/2007.
TN08010203 001_0910	UNNAMED TRIB TO CLEAR CREEK	Carroll	7.63	Nitrate+Nitrite Total Phosphorus Loss of biological integrity due to siltation Escherichia coli L L L L	Municipal Point Source Failing Collection System Channelization Land Development	Category 5. (One or more uses impaired.) TMDLs needed.

**2016 303(d) LIST (South Fork Obion River Watershed continued)**

<b>Waterbody ID</b>	<b>Impacted Waterbody</b>	<b>County</b>	<b>Miles/Acres Impaired</b>	<b>CAUSE / TMDL Priority</b>	<b>Pollutant Source</b>	<b>COMMENTS</b>
TN08010203 001_1000	SOUTH FORK OBION RIVER	Obion Gibson	26	Loss of biological integrity due to siltation L Physical Substrate Habitat Alterations L	Nonirrigated Crop Production Channelization	Category 5. (One or more uses impaired.) TMDLs needed.
TN08010203 001_2000	SOUTH FORK OBION RIVER	Weakley Gibson Carroll	16.8	Loss of biological integrity due to siltation L Physical Substrate Habitat Alterations L	Nonirrigated Crop Production Channelization	Category 5. (One or more uses impaired.) TMDLs needed.
TN08010203 001_1600	UNNAMED TRIB TO SOUTH FORK OBION RIVER	Gibson	8.8	Physical Substrate Habitat Alterations L	Channelization	Category 5. (One or more uses impaired.) TMDL needed. Near Bradford.
TN08010203 007_2000	REEDY CREEK	Carroll	10.99	Loss of biological integrity due to siltation L Physical Substrate Habitat Alteration L	Nonirrigated Crop Production	Category 5. (One or more uses impaired.) TMDLs needed.
TN08010203 010_0500	HAWKINS CREEK	Carroll	7.0	Alteration in stream-side or littoral vegetative cover L	Channelization	Category 5. (One or more uses impaired.) TMDL needed.
TN08010203 010_1000	BEAVER CREEK	Carroll	4.7	Escherichia coli L	Urbanized High Density Area	Category 5. (One or more uses impaired.) TMDL needed.
TN08010203 011_1000	CROOKED CREEK	Carroll	4.7	Escherichia coli L	Undetermined Source	Category 5. (One or more uses impaired.) TMDL needed.
TN08010203 015_0100	TERRELL BRANCH	Weakley	4.6	Loss of biological integrity due to siltation L Physical Substrate Habitat Alteration L	Nonirrigated Crop Production	S Category 5. (One or more uses impaired.) TMDLs needed.
TN08010203 015_0600	THOMPSON CREEK	Weakley	6.2	Nitrate+Nitrite L Loss of biological integrity due to siltation L Physical Substrate Habitat Alterations L Flow Alteration NA	Nonirrigated Crop Production Upstream Impoundment Channelization	Category 5. (One or more uses impaired.) TMDLs needed. Flow alteration is 4c (Impairment not due to a pollutant). Garrett Lake tailwaters impacted by flow alteration from the lake, plus channelization.
TN08010203 015_0700	OLD TOWN CREEK	Henry	5.35	Flow Alteration NA	Upstream Impoundment	Flow alteration is 4c (Impairment not due to a pollutant).
TN08010203 015_1300	ARNOLD BRANCH	Weakley	4.8	Flow Alteration NA	Upstream Impoundment	Flow alteration is 4c (Impairment not due to a pollutant). Randomly-selected for Impounded Stream Study.

**2016 303(d) LIST (South Fork Obion River Watershed continued)**

<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 015_1400	SUMMERS CREEK	Weakley	3.7	Loss of biological integrity due to siltation L Physical Substrate Habitat Alterations L	Nonirrigated Crop Production	Category 5. (One or more uses impaired.) TMDLs needed.
TN08010203 015_1500	MORRIS BRANCH	Weakley	4.2	Nitrate+Nitrite L Total Phosphorus L Physical Substrate Habitat Alteration L	Nonirrigated Crop Production	Category 5. (One or more uses impaired.) TMDLs needed.
TN08010203 015_1700	CANE CREEK	Weakley	10.7	Loss of biological integrity due to siltation L	Surface Mining Pasture Grazing	Category 5. (One or more uses impaired.) TMDL needed.
TN08010203 015_1800	BUCKOR DITCH	Weakley	6.2	Loss of biological integrity due to siltation L Physical Substrate Habitat Alterations L	Nonirrigated Crop Production Pasture Grazing Channelization	Category 5. (One or more uses impaired.) TMDLs needed.
TN08010203 015_2000	MIDDLE FORK OBION RIVER	Weakley	6.40	Total Phosphorus L Nitrate+Nitrite L Loss of biological integrity due to siltation L	Municipal Point Source Nonirrigated Crop Production Channelization	Category 5. (One or more uses impaired.) TMDLs needed.
TN08010203 015_3000	MIDDLE FORK OBION RIVER	Weakley Henry	19.9	Nitrate+Nitrite L Loss of biological integrity due to siltation L	Nonirrigated Crop Production Channelization	Category 5. (One or more uses impaired.) TMDLs needed.
TN08010203 016_0200	COTTON CREEK	Weakley	12.3	Physical Substrate Habitat Alterations L	Channelization	Category 5. (One or more uses impaired.) TMDL needed.
TN08010203 016_0400	BOAZ CREEK	Weakley Henry	5.8	Physical Substrate Habitat Alterations L	Channelization	Category 5. (One or more uses impaired.) TMDL needed.
TN08010203 016_1000	SPRING CREEK	Weakley	3.5	Escherichia coli L	Undetermined Source	Category 5. (One or more uses impaired.) TMDL needed.
TN08010203 016_2000	SPRING CREEK	Weakley	8.6	Physical Substrate Habitat Alterations L	Channelization	Category 5. (One or more uses impaired.) TMDL needed.
TN08010203 020_0100	CANE CREEK	Obion Weakley	16.7	Nitrate+Nitrite L Total Phosphorus L Physical Substrate Habitat Alterations L Escherichia coli L	Municipal Point Source Discharges from MS4 area Nonirrigated Crop Production	Category 5. (One or more uses impaired.) TMDLs needed.
TN08010203 020_2000	MUD CREEK	Weakley	11.6	Escherichia coli L	Collection System Failure	Category 5. (One or more uses impaired.) TMDL needed.
TN08010203 032_1000 & 2000	RUTHERFORD FORK OBION RIVER	Obion Gibson	29.9	Loss of biological integrity due to siltation L Physical Substrate Habitat Alterations L	Nonirrigated Crop Production Channelization	Category 5. (One or more uses impaired.) TMDLs needed.
TN08010203 032_1400	JOHNS CREEK	Carroll	21.7	RDX L	Hazardous Waste	Category 5. (One or more uses impaired.) TMDL needed.

**2016 303(d) LIST (South Fork Obion River Watershed continued)**

<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 032_1410	HALLS BRANCH	Carroll	11.4	RDX L	Hazardous Waste	Category 5. (One or more uses impaired.) TMDL needed.
TN08010203 032_1500	WOLF CREEK	Gibson	21.6	RDX Loss of biological integrity due to siltation L	Hazardous Waste Channelization	Category 5. (One or more uses impaired.) TMDLs needed.
TN08010203 032_1510	EAST FORK WOLF CREEK	Gibson Carroll	8.2	RDX Loss of biological integrity due to siltation L	Hazardous Waste Channelization	Category 5. (One or more uses impaired.) TMDLs needed.
TN08010203 032_1900	CAMP CREEK	Gibson	11.8	Loss of biological integrity due to siltation Physical Substrate Habitat Alterations L	Nonirrigated Crop Production Channelization	Category 5. (One or more uses impaired.) TMDLs needed.
TN08010203 032_2100	OWEN BRANCH	Gibson	5.8	Loss of biological integrity due to siltation Physical Substrate Habitat Alterations L	Nonirrigated Crop Production Channelization	Category 5. (One or more uses impaired.) TMDLs needed.
TN08010203 032_2200	CUMMINGS CREEK	Gibson	3.41	Alteration in stream-side or littoral vegetative cover Loss of biological integrity due to siltation Physical Substrate Habitat Alterations L	Nonirrigated Crop Production Channelization	Category 5. (One or more uses impaired.) TMDLs needed.
TN08010203 032_2300	EDMUNDSON CREEK	Gibson	14.7	Loss of biological integrity due to siltation Physical Substrate Habitat Alterations L	Nonirrigated Crop Production	Category 5. (One or more uses impaired.) TMDLs needed.
TN08010203 032_3000	RUTHERFORD FORK OBION RIVER	Gibson Carroll	24.4	Physical Substrate Habitat Alterations L	Channelization	Category 5. (One or more uses impaired.) TMDL needed.

**North Fork Forked Deer River**

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

<b>Waterbody ID</b>	<b>Impacted Waterbody</b>	<b>County</b>	<b>Miles/Acres Impaired</b>	<b>CAUSE / TMDL Priority</b>	<b>Pollutant Source</b>	<b>COMMENTS</b>
TN08010204 001_1000	NORTH FORK FORKED DEER RIVER	Dyer	8.34	Total Phosphorus Loss of biological integrity due to siltation Escherichia coli L NA	Nonirrigated Crop Production Discharges from MS4 area Channelization	Category 5. (One or more uses impaired.) TMDLs needed. EPA approved a pathogen TMDL that addresses one known pollutant on 2/21/12.

2016 303(d) LIST (North Fork Forked Deer River Watershed continued)

Waterbody ID	Impacted Waterbody	County	Miles/Acres Impaired	CAUSE / TMDL Priority	Pollutant Source	COMMENTS
TN08010204 003_0100	CAIN CREEK	Dyer	2.62	Physical Substrate Habitat Alteration L Alteration in stream-side or littoral vegetation L	Nonirrigated Crop Production Channelization	Category 5. (One or more uses impaired.) TMDLs needed.
TN08010204 003_0200	LITTLE POND CREEK	Crockett	9.3	Physical Substrate Habitat Alteration L Alteration in stream-side or littoral vegetation L	Nonirrigated Crop Production Channelization	Category 5. (One or more uses impaired.) TMDLs needed.
TN08010204 003_0300	TUCKER CREEK	Crockett	8.74	Physical Substrate Habitat Alteration L Loss of biological integrity due to siltation L Escherichia coli NA	Nonirrigated Crop Production Channelization Pasture Grazing	Category 5. (One or more uses impaired.) TMDLs needed. EPA approved a pathogen TMDL that addresses some of the known pollutants on 2/21/12.
TN08010204 003_1000	POND CREEK	Dyer Crockett	24.7	Low Dissolved Oxygen L Total Phosphorus L Loss of biological integrity due to siltation L Physical Substrate Habitat Alterations L Escherichia coli NA	Nonirrigated Crop Production Channelization Pasture Grazing	Category 5. (One or more uses impaired.) TMDLs needed. EPA approved a pathogen TMDL that addresses some of the known pollutants on 2/21/12.
TN08010204 004_0100	PARKER DITCH	Dyer	9.58	Alteration in stream-side or littoral vegetation L Physical Substrate Habitat Alterations L Loss of biological integrity due to siltation L	Nonirrigated Crop Production Pasture Grazing Channelization	Category 5. (One or more uses impaired.) TMDLs needed.
TN08010204 004_0200	BETHEL BRANCH	Dyer Gibson	30.4	Nitrate+Nitrite L Total Phosphorus L Physical Substrate Habitat Alterations L Escherichia coli NA	Nonirrigated Crop Production Pasture Grazing Channelization	Category 5. (One or more uses impaired.) TMDLs needed. EPA approved a pathogen TMDL that addresses some of the known pollutants on 2/21/12.
TN08010204 004_0300	SQUIRT CREEK	Gibson	5.94	Alteration in stream-side or littoral vegetation L Physical Substrate Habitat Alterations L	Nonirrigated Crop Production Pasture Grazing Channelization	Category 5. (One or more uses impaired.) TMDLs needed.
TN08010204 004_0400	ELIZA CREEK	Dyer	7.02	Physical Substrate Habitat Alterations L	Channelization	Category 5. (One or more uses impaired.) TMDL needed.
TN08010204 004_0500	NASH CREEK	Dyer	11.06	Alteration in stream-side or littoral vegetation L Physical Substrate Habitat Alterations L	Nonirrigated Crop Production Channelization	Category 5. (One or more uses impaired.) TMDLs needed.

**2016 303(d) LIST (North Fork Forked Deer River Watershed continued)**

<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_1000	NORTH FORK FORKED DEER RIVER	Dyer	9.34	Physical Substrate Habitat Alterations Mercury	L L L	Channelization Atmospheric Deposition	Category 5. (One or more uses impaired.) TMDLs needed.
TN08010204 004_2000	NORTH FORK FORKED DEER RIVER	Gibson Dyer	7.06	Mercury	L	Atmospheric Deposition	Category 5. (One or more uses impaired.) TMDL needed.
TN08010204 005_0100	ODELL CREEK	Crockett	7.65	Alteration in stream-side or littoral vegetative cover Loss of biological integrity due to siltation Physical Substrate Habitat Alterations	L L L	Nonirrigated Crop Production Channelization	Category 5. (One or more uses impaired.). TMDLs needed.
TN08010204 005_0200	RICE CREEK	Crockett	5.12	Alteration in stream-side or littoral vegetative cover Loss of biological integrity due to siltation Physical Substrate Habitat Alterations	L L L	Nonirrigated Crop Production Channelization	Category 5. (One or more uses impaired.) TMDLs needed.
TN08010204 005_0300	MILLER CREEK	Dyer Crockett	9.92	Ammonia Low Dissolved Oxygen Alteration in stream-side or littoral vegetative cover Loss of biological integrity due to siltation Physical Substrate Habitat Alterations Escherichia coli	L L L L L L	Municipal Point Source Nonirrigated Crop Production Channelization	Category 5. (One or more uses impaired.). TMDLs needed.
TN08010204 005_1000	STOKES CREEK	Dyer Crockett	8.24	Total Phosphorus Low Dissolved Oxygen Alteration in stream-side or littoral vegetative cover Loss of biological integrity due to siltation Physical Substrate Habitat Alterations	L L L L L	Nonirrigated Crop Production Channelization	Category 5. (One or more uses impaired.) TMDLs needed.
TN08010204 007_0100	BUCK CREEK	Crockett Gibson	29.4	Ammonia Nitrate+Nitrite Total Phosphorus Low Dissolved Oxygen Physical Substrate Habitat Alterations	L L L L L	Municipal Point Source Nonirrigated Crop Production Channelization	Category 5. (One or more uses impaired.) TMDLs needed.

**2016 303(d) LIST (North Fork Forked Deer River Watershed continued)**

<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 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 Pathogen Source	Category 5. (One or more uses impaired.) TMDLs needed. EPA approved a pathogen TMDL that addresses some of the known pollutants on 2/21/12.
TN08010204 009_0100	SAND CREEK	Crockett	14.29	Alteration in stream-side or littoral vegetation L Loss of biological integrity due to siltation L Physical Substrate L Habitat Alterations L	Nonirrigated Crop Production Channelization	Category 5. (One or more uses impaired.). TMDLs needed.
TN08010204 009_0200	UNNAMED TRIB TO CYPRESS CREEK	Crockett	7.6	Alteration in stream-side or littoral vegetation L Physical Substrate L Habitat Alterations L	Nonirrigated Crop Production Channelization	Category 5. (One or more uses impaired.) TMDLs needed.
TN08010204 009_1000	CYPRESS CREEK	Crockett	13.0	Total Phosphorus L Low Dissolved Oxygen L Physical Substrate L Habitat Alterations L Loss of biological integrity due to siltation L Escherichia coli NA	Nonirrigated Crop Production Channelization Undetermined Pathogen Source	Category 5. (One or more uses impaired.) TMDLs needed. EPA approved a pathogen TMDL that addresses one of the known pollutants on 2/21/12.
TN08010204 010_0100	BARNETT BRANCH	Gibson	15.6	Alteration in stream-side or littoral vegetation L Loss of biological integrity due to siltation L Physical Substrate L Habitat Alterations L	Nonirrigated Crop Production Channelization	Category 5. (One or more uses impaired.) TMDLs needed.
TN08010204 010_0200	DUFFY'S BRANCH	Gibson Madison	6.4	Loss of biological integrity due to siltation L	Nonirrigated Crop Production	Category 5. (One or more uses impaired.) TMDL needed.
TN08010204 010_0300	DRY BRANCH	Gibson Madison	9.7	Loss of biological integrity due to siltation L	Nonirrigated Crop Production	Category 5. (One or more uses impaired.) TMDL needed.
TN08010204 010_0400	CROOKED CREEK	Madison	5.0	Physical Substrate L Habitat Alterations L Loss of biological integrity due to siltation L	Nonirrigated Crop Production Channelization	Category 5. (One or more uses impaired.). TMDLs needed.
TN08010204 010_0500	POPLAR CREEK	Madison	9.7	Physical Substrate L Habitat Alterations L Loss of biological integrity due to siltation L	Land Development Channelization	Category 5. (One or more uses impaired.). TMDLs needed.

**2016 303(d) LIST (North Fork Forked Deer River Watershed continued)**

<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	JOHNSON CREEK	Madison	11.0	Physical Substrate Habitat Alterations Loss of biological integrity due to siltation L L	Nonirrigated Crop Production Channelization Land Development	Category 5. (One or more uses impaired.). TMDLs needed.
TN08010204 010_0700	DYER CREEK	Madison	30.6	Loss of biological integrity due to siltation Physical Substrate Habitat Alterations Escherichia coli L L NA	Discharges from MS4 area Land Development Channelization	T Category 5. (One or more uses impaired.) TMDLs needed. EPA approved a pathogen TMDL that addresses one of the known pollutants on 2/21/12.
TN08010204 010_0800	MOIZE CREEK	Madison	12.8	Loss of biological integrity due to siltation Physical Substrate Habitat Alterations Escherichia coli L L NA	Discharges from MS4 area Channelization	Category 5. (One or more uses impaired.) TMDLs needed. EPA approved a pathogen TMDL that addresses one of the known pollutants on 2/21/12.
TN08010204 010_0900	DE LOACH CREEK	Madison	13.4	Alteration in stream-side or littoral vegetation Loss of biological integrity due to siltation Physical Substrate Habitat Alterations L L L	Discharges from MS4 area Nonirrigated Crop Production Channelization	Category 5. (One or more uses impaired.) TMDLs needed.
TN08010204 010_1000	MIDDLE FORK FORKED DEER RIVER	Crockett Gibson	9.5	Total Phosphorus Loss of biological integrity due to siltation Escherichia coli L L NA	Municipal Point Source Discharges from MS4 area Nonirrigated Crop Production Municipal High Density Area Channelization	Category 5. (One or more uses impaired.) TMDLs needed. EPA approved a pathogen TMDL that addresses one of the known pollutants on 2/21/12.
TN08010204 010_1100	MATTHEWS CREEK	Madison	16.1	Loss of biological integrity due to siltation Physical Substrate Habitat Alterations L L	Land Development Nonirrigated Crop Production Channelization	Category 5. (One or more uses impaired.) TMDLs needed.
TN08010204 010_1200	BEECH CREEK	Madison Crockett	23.8	Physical Substrate Habitat Alterations Escherichia coli L NA	Nonirrigated Crop Production Channelization Pasture Grazing	Category 5. (One or more uses impaired.) TMDL needed. EPA approved a pathogen TMDL that addresses one of the known pollutants on 2/21/12.
TN08010204 010_1300	WARREN DITCH	Crockett	9.0	Loss of biological integrity due to siltation Physical Substrate Habitat Alterations L L	Nonirrigated Crop Production Channelization	Category 5. (One or more uses impaired.) TMDLs needed.

**2016 303(d) LIST (North Fork Forked Deer River Watershed continued)**

<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_2000	MIDDLE FORK FORKED DEER RIVER	Madison Crockett	8.5	Total Phosphorus L Loss of biological integrity L due to siltation NA Escherichia coli	Municipal Point Source Discharges from MS4 Area Nonirrigated Crop Production Land Development	Category 5. (One or more uses impaired.) TMDLs needed. EPA approved a pathogen TMDL that addresses one of the known pollutants on 2/21/12.
TN08010204 010_3000	MIDDLE FORK FORKED DEER RIVER	Madison	11.3	Loss of biological integrity due to siltation L	Nonirrigated Crop Production Pasture Grazing Channelization	Category 5. (One or more uses impaired.) TMDL needed.
TN08010204 013_1000	GILMERS CREEK	Madison	15.3	Physical Substrate Habitat Alterations L	Channelization	Category 5. (One or more uses impaired.) TMDL needed.
TN08010204 014_0100	DRY CREEK	Madison Carroll	9.0	Physical Substrate Habitat Alterations L Escherichia coli NA	Pasture Grazing Channelization	Category 5. (One or more uses impaired.) TMDL needed. EPA approved a pathogen TMDL that addresses some of the known pollutants on 2/21/12.
TN08010204 014_0600	SPRING CREEK	Henderson	19.2	Physical Substrate Habitat Alterations L Loss of biological integrity due to siltation L	Pasture Grazing Channelization	Category 5. (One or more uses impaired.) TMDLs needed.
TN08010204 014_0700	TYLER BRANCH	Henderson	2.39	Physical Substrate Habitat Alterations L Alteration in stream-side or littoral vegetative cover L Loss of biological integrity due to siltation L	Pasture Grazing Channelization	Category 5. (One or more uses impaired.) TMDLs needed.
TN08010204 014_0800	SIMMONS BRANCH	Henderson	2.98	Alteration in stream-side or littoral vegetative cover L Loss of biological integrity due to siltation L	Pasture Grazing	Category 5. (One or more uses impaired.) TMDLs needed.
TN08010204 014_0900	COURTNEY BRANCH	Henderson	5.61	Alteration in stream-side or littoral vegetative cover L Loss of biological integrity due to siltation L	Pasture Grazing	Category 5. (One or more uses impaired.) TMDLs needed.
TN08010204 014_1300	EUBANKS BRANCH	Madison	4.39	Flow Alteration NA	Upstream Impoundment	Category 4c. (Impairment not due to pollutant.)
TN08010204 015_1000	TURKEY CREEK	Madison Gibson	24.3	Alteration in stream-side or littoral vegetative cover L Loss of biological integrity due to siltation L Physical Substrate Habitat Alterations L	Channelization Nonirrigated Crop Production Land Development	Category 5. (One or more uses impaired.) TMDLs needed.

**2016 303(d) LIST (North Fork Forked Deer River Watershed continued)**

<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 016_1000	SUGAR CREEK	Gibson Crockett	26.5	Loss of biological integrity due to siltation L Physical Substrate Habitat Alterations L	Nonirrigated Crop Production Channelization Land Development	Category 5. (One or more uses impaired.) TMDLs needed.
TN08010204 017_0100	DAVIS CREEK	Gibson	32.6	Nitrate+Nitrite L Total Phosphorus L Physical Substrate Habitat Alterations L Escherichia coli NA	Nonirrigated Crop Production Channelization Undetermined Pathogen Source	Category 5. (One or more uses impaired.) TMDLs needed. EPA has approved a pathogen TMDL that addresses some of the known pollutants on 2/21/12.
TN08010204 017_0110	REAGAN CREEK	Gibson	13.3	Alteration in stream-side or littoral vegetative cover L Low Dissolved Oxygen L Physical Substrate Habitat Alterations L	Nonirrigated Crop Production Channelization	Category 5. (One or more uses impaired.) TMDLs needed.
TN08010204 017_1000	BUCK CREEK	Gibson	39.8	Low Dissolved Oxygen L Total Phosphorus L Loss of biological integrity due to siltation L Physical Substrate Habitat Alterations L Escherichia coli NA	Nonirrigated Crop Production Channelization Pasture Grazing	Category 5. (One or more uses impaired.) TMDLs needed. EPA has approved a pathogen TMDL that addresses some of the known pollutants on 2/21/12.
TN08010204 020_0100	UNNAMED TRIB TO NORTH FORK FORKED DEER RIVER (BUZZARD ROOST CREEK)	Gibson	5.28	Alteration in stream-side or littoral vegetative cover L Physical Substrate Habitat Alterations L Loss of biological integrity due to siltation L	Nonirrigated Crop Production Channelization	Category 5. (One or more uses impaired.) TMDLs needed.
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	Category 5. (One or more uses impaired.) TMDLs needed.
TN08010204 020_0300	UNNAMED TRIB TO NORTH FORK FORKED DEER RIVER	Gibson	4.87	Alteration in stream-side or littoral vegetative cover L Physical Substrate Habitat Alterations L Loss of biological integrity due to siltation L	Nonirrigated Crop Production Channelization	Category 5. (One or more uses impaired.) TMDLs needed.
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	Category 5. (One or more uses impaired.) TMDLs needed.

**2016 303(d) LIST (North Fork Forked Deer River Watershed continued)**

<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	Category 5. (One or more uses impaired.) TMDLs needed.
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	Category 5. (One or more uses impaired.) TMDLs needed.
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	Category 5. (One or more uses impaired.) TMDLs needed.
TN08010204 020_0900	CAIN CREEK	Gibson	27.1	Alteration in stream-side or littoral vegetative cover Physical Substrate Habitat Alterations Loss of biological integrity due to siltation L L L	Nonirrigated Crop Production Channelization	Category 5. (One or more uses impaired.) TMDLs needed.
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	Category 5. (One or more uses impaired.) TMDLs needed.
TN08010204 020_2000	NORTH FORK FORKED DEER RIVER	Gibson	8.2	Physical Substrate Habitat Alterations L	Channelization	Category 5. (One or more uses impaired.) TMDL needed.
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	Category 5. (One or more uses impaired.) TMDLs needed.
TN08010204 021_0100	DRY CREEK	Gibson	5.73	Alteration in stream-side or littoral vegetative cover Physical Substrate Habitat Alterations L L	Nonirrigated Crop Production Channelization	Category 5. (One or more uses impaired.) TMDLs needed.
TN08010204 021_0200	COW CREEK	Gibson	11.8	Nitrate+Nitrite Total Phosphorus Physical Substrate Habitat Alterations Loss of biological integrity due to siltation L L L	Municipal Point Source Nonirrigated Crop Production Channelization	Category 5. (One or more uses impaired.) TMDLs needed.
TN08010204 021_1000	MUD CREEK	Gibson	33.56	Physical Substrate Habitat Alterations L	Channelization	Category 5. (One or more uses impaired.) TMDL needed.

**2016 303(d) LIST (North Fork Forked Deer River Watershed continued)**

<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	Alteration in stream-side or littoral vegetative cover L Physical Substrate Habitat Alterations L Escherichia coli NA	Nonirrigated Crop Production Pasture Grazing Channelization	Category 5. (One or more uses impaired.) TMDLs needed. EPA approved a pathogen TMDL that addresses some of the known pollutants on 2/21/12.
TN08010204 022_0200	UNNAMED TRIB TO DOAKVILLE CREEK	Dyer	2.68	Physical Substrate Habitat Alterations L	Channelization	Category 5. (One or more uses impaired.) TMDL needed.
TN08010204 022_1000	DOAKVILLE CREEK	Dyer	9.5	Loss of biological integrity due to siltation L Physical Substrate Habitat Alterations L Low Dissolved Oxygen L Escherichia coli NA	Nonirrigated Crop Production Channelization Undetermined Pathogen Source	Category 5. (One or more uses impaired.) TMDLs needed. EPA has approved a pathogen TMDL that addresses some of the known pollutants on 2/21/12.
TN08010204 023_0200	JONES CREEK	Dyer	21.05	Alteration in stream-side or littoral vegetative cover L Low Dissolved Oxygen L Physical Substrate Habitat Alterations L Escherichia coli NA	Nonirrigated Crop Production Channelization Undetermined Pathogen Source	Category 5. (One or more uses impaired.) TMDLs needed. EPA approved a pathogen TMDL that addresses some of the known pollutants on 2/21/12.
TN08010204 023_0210	LIGHT CREEK	Dyer	30.91	Alteration in stream-side or littoral vegetative cover L Physical Substrate Habitat Alterations L Escherichia coli NA	Nonirrigated Crop Production Channelization Pasture Grazing	Category 5. (One or more uses impaired.) TMDLs needed. EPA approved a pathogen TMDL that addresses some of the known pollutants on 2/21/12.
TN08010204 023_1000	LEWIS CREEK	Dyer	46.3	Low Dissolved Oxygen L Total Phosphorus L Loss of biological integrity due to siltation L Physical Substrate Habitat Alterations L Escherichia coli NA	Nonirrigated Crop Production Discharges from MS4 area Channelization	Category 5. (One or more uses impaired.) TMDLs needed. EPA has approved a pathogen TMDL that addresses some of the known pollutants on 2/21/12.
TN08010204 HUMBOLDT LK_1000	HUMBOLDT LAKE	Crockett	87 ac	Nutrients L	Nonirrigated Crop Production Pasture Grazing	Category 5. (One or more uses impaired.) TMDL needed.

**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_0200	MILL CREEK	Lauderdale	27.2	Alteration in stream-side or littoral vegetative cover Escherichia coli L NA	Nonirrigated Crop Production Channelization Undetermined Pathogen Source	Category 5. (One or more uses impaired.) TMDL needed. EPA has approved a pathogen TMDL that addresses some of the known pollutants on 12/15/2011.
TN08010205 001_0300	CHAMBERS BRANCH	Lauderdale Dyer	8.7	Alteration in stream-side or littoral vegetative cover L	Nonirrigated Crop Production Channelization	Category 5. (One or more uses impaired.) TMDL needed.
TN08010205 001_1000	SOUTH FORK FORKED DEER RIVER	Lauderdale Dyer	15.6	Total Phosphorus Loss of biological integrity due to siltation Physical Substrate Habitat Alterations Escherichia coli L L L NA	Nonirrigated Crop Production Channelization Undetermined Pathogen Source	Category 5. (One or more uses impaired.) TMDLs needed. EPA has approved a pathogen TMDL that addresses some of the known pollutants on 12/15/2011.
TN08010205 003_1000	SOUTH FORK FORKED DEER RIVER	Crockett Lauderdale	6.8	Total Phosphorus Loss of biological integrity due to siltation Physical Substrate Habitat Alterations Escherichia coli L L L NA	Nonirrigated Crop Production Channelization Undetermined Pathogen Source	Category 5. (One or more uses impaired.) TMDLs needed. EPA has approved a pathogen TMDL that addresses some of the known pollutants on 12/15/2011.
TN08010205 005_0100	LITTLE NIXON CREEK	Haywood	15.3	Total Phosphorus Loss of biological integrity due to siltation Physical Substrate Habitat Alterations Escherichia coli L L L NA	Nonirrigated Crop Production Channelization Discharges from MS4 area	Category 5. (One or more uses impaired.) TMDLs needed. EPA has approved a pathogen TMDL that addresses some of the known pollutants on 12/15/2011.
TN08010205 005_0200	MERIDIAN CREEK	Haywood	36.29	Total Phosphorus Low Dissolved Oxygen Loss of biological integrity due to siltation Physical Substrate Habitat Alterations L L L	Discharges from MS4 area Nonirrigated Crop Production Channelization	Category 5. (One or more uses impaired.) TMDLs needed.
TN08010205 005_0210	BRIAR CREEK	Haywood	7.61	Physical Substrate Habitat Alterations L	Channelization	Category 5. (One or more uses impaired.) TMDL needed.
TN08010205 005_0300	POND CREEK	Haywood Lauderdale	45.2	Physical Substrate Habitat Alterations L	Channelization	Category 5. (One or more uses impaired.) TMDL needed.
TN08010205 005_0310	UNNAMED TRIB TO POND CREEK (formerly Otter Creek)	Lauderdale Haywood	15.31	Loss of biological integrity due to siltation Physical Substrate Habitat Alterations L L	Channelization	Category 5. (One or more uses impaired.) TMDLs needed.

**2016 303(d) LIST (South Fork Forked Deer River Basin continued)**

<b>Waterbody ID</b>	<b>Impacted Waterbody</b>	<b>County</b>	<b>Miles/Acres Impaired</b>	<b>CAUSE / TMDL Priority</b>	<b>Pollutant Source</b>	<b>COMMENTS</b>
TN08010205 005_0400	LOST CREEK	Haywood Lauderdale	14.6	Physical Substrate Habitat Alterations L	Channelization	Category 5. (One or more uses impaired.) TMDL needed.
TN08010205 005_1000	NIXON CREEK	Haywood	20.4	Loss of biological integrity due to siltation L Total Phosphorus L Physical Substrate Habitat Alterations L Escherichia coli NA	Nonirrigated Crop Production Channelization Discharges from MS4 area	Category 5. (One or more uses impaired.) TMDLs needed. EPA has approved a pathogen TMDL that addresses some of the known pollutants on 12/15/2011.
TN08010205 010_0100	KAIL CREEK	Crockett Haywood	27.4	Physical Substrate Habitat Alterations L	Channelization	Category 5. (One or more uses impaired.) TMDL needed.
TN08010205 010_0200	JACOBS CREEK	Haywood	25.9	Physical Substrate Habitat Alterations L	Nonirrigated Crop Production Channelization	Category 5. (One or more uses impaired.) TMDL needed.
TN08010205 010_1000	SOUTH FORK FORKED DEER RIVER	Haywood Crockett	13.2	Total Phosphorus L Loss of biological integrity due to siltation L Physical Substrate Habitat Alterations L Escherichia coli NA	Municipal Point Source Nonirrigated Crop Production Channelization Undetermined Pathogen Source	Category 5. (One or more uses impaired.) TMDLs needed. EPA has approved a pathogen TMDL that addresses some of the known pollutants on 12/15/2011.
TN08010205 011_1000	MUD CREEK	Haywood	42.9	Physical Substrate Habitat Alterations L	Channelization	Category 5. (One or more uses impaired.) TMDL needed.
TN08010205 012_0100	PEARSONS CREEK	Crockett	13.9	Loss of biological integrity due to siltation L Physical Substrate Habitat Alterations L	Nonirrigated Crop Production Channelization	Category 5. (One or more uses impaired.) TMDLs needed.
TN08010205 012_0400	SANDY CREEK	Madison	4.3	Loss of biological integrity due to siltation L Physical Substrate Habitat Alterations L Escherichia coli NA	Discharges from MS4 area Channelization	Category 5. (One or more uses impaired.) TMDLs needed. EPA has approved a pathogen TMDL that addresses some of the known pollutants on 12/15/2011.
TN08010205 012_0500	CENTRAL CREEK	Madison	2.02	Physical Substrate Habitat Alterations L Escherichia coli NA	Discharges from MS4 area Channelization	Category 5. (One or more uses impaired.) TMDL needed. EPA approved a pathogen TMDL that addresses some of the known pollutants on 12/15/2011.
TN08010205 012_0600	ANDERSON BRANCH	Madison	5.2	Alteration in stream-side or littoral vegetative cover L Escherichia coli NA	Collection System Failure Discharges from MS4 Area	Category 5. (One or more uses impaired.) TMDL needed. EPA has approved a pathogen TMDL that addresses some of the known pollutants on 12/15/2011.

**2016 303(d) LIST (South Fork Forked Deer River Basin continued)**

<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_0700	BOND CREEK	Madison	9.7	Alteration in stream-side or littoral vegetative cover Escherichia coli L NA	Discharges from MS4 area Streambank Modifications	Category 5. (One or more uses impaired.) TMDL needed. EPA has approved a pathogen TMDL that addresses some of the known pollutants on 12/15/2011.
TN08010205 012_0900	HICKS CREEK	Madison	28.5	Loss of biological integrity due to siltation L	Sand/Rock/Gravel Mining	Category 5. (One or more uses impaired.) TMDL needed.
TN08010205 012_1000	SOUTH FORK FORKED DEER RIVER	Crockett Madison	21.6	Total Phosphorus Loss of biological integrity due to siltation Physical Substrate Habitat Alterations Escherichia coli L L L NA	Discharges from MS4 area Nonirrigated Crop Production Dredge Mining Sand/Rock/Gravel Mining Land Development Channelization	Category 5. (One or more uses impaired.) TMDLs needed. EPA has approved a pathogen TMDL that addresses some of the known pollutants on 12/15/2011.
TN08010205 012_1100	JOHNSON CREEK	Madison	44.2	Loss of biological integrity due to siltation Physical Substrate Habitat Alterations L L	Nonirrigated Crop Production Channelization	Category 5. (One or more uses impaired.) TMDLs needed.
TN08010205 012_1200	CUB CREEK	Madison	2.07	Alteration in stream-side or littoral vegetative cover Physical Substrate Habitat Alterations Escherichia coli L L NA	Animal Feeding Operations (NPS) Pasture Grazing Channelization	Category 5. (One or more uses impaired.) TMDLs needed. EPA has approved a pathogen TMDL that addresses the known pollutants on 12/15/2011.
TN08010205 012_1400	PANTHER CREEK	Madison Heywood	21.1	Escherichia coli NA	Package Plant Pasture Grazing	Category 4a. EPA approved a pathogen TMDL that addresses the known pollutant. On 12/15/2011
TN08010205 017_2000	MERIDIAN CREEK	Madison	0.73	Flow Alteration NA	Upstream Impoundment	Category 4c. (Impairment not due to a pollutant.)
TN08010205 023_0110	DRY BRANCH	Chester	12.0	Alteration in stream-side or littoral vegetative cover Loss of biological integrity due to siltation L L	Pasture Grazing	Category 5. (One or more uses impaired.) TMDLs needed.
TN08010205 028_0600	UNNAMED TRIB TO THE NORTH FORK OF THE SOUTH FORK FORKED DEER RIVER	Henderson	10.77	Alteration in stream-side or littoral vegetative cover Physical Substrate Habitat Alterations L L	Pasture Grazing Channelization	Category 5. (One or more uses impaired.) TMDLs needed.

2016 303(d) LIST (South Fork Forked Deer River Basin continued)

Waterbody ID	Impacted Waterbody	County	Miles/Acres Impaired	CAUSE / TMDL Priority	Pollutant Source	COMMENTS
TN08010205 031_0100	LICK CREEK	Crockett	6.6	Physical Substrate Habitat Alterations L	Channelization	Category 5. (One or more uses impaired.) TMDL needed.
TN08010205 031_0200	BEAR CREEK	Crockett	6.4	Physical Substrate Habitat Alterations L	Channelization	Category 5. (One or more uses impaired.) TMDL needed.
TN08010205 031_1000	BLACK CREEK	Crockett	12.9	Total Phosphorus L Nitrate+Nitrite L Low Dissolved Oxygen L Physical Substrate Habitat Alterations L Loss of biological integrity due to siltation L Escherichia coli NA	Pasture Grazing Nonirrigated Crop Production Channelization	Category 5. (One or more uses impaired.) TMDLs needed. EPA approved a pathogen TMDL that addresses some of the known pollutants on 12/15/2011.
TN08010205 036_0100	TISDALE CREEK	Lauderdale	12.14	Alteration in stream-side or littoral vegetative cover L Loss of biological integrity due to siltation L	Nonirrigated Crop Production	Category 5. (One or more uses impaired.) TMDLs needed.
TN08010205 036_0110	UNNAMED TRIB TO TISDALE CREEK	Lauderdale	2.89	Alteration in stream-side or littoral vegetative cover L Loss of biological integrity due to siltation L Physical Substrate Habitat Alterations L Escherichia coli NA	Nonirrigated Crop Production Channelization Pasture Grazing	Category 5. (One or more uses impaired.) TMDLs needed. EPA has approved a pathogen TMDL that addresses some of the known pollutants on 12/15/2011.
TN08010205 036_0200	SUMROW CREEK	Lauderdale	9.64	Alteration in stream-side or littoral vegetative cover L Loss of biological integrity due to siltation L	Nonirrigated Crop Production Channelization	Category 5. (One or more uses impaired.) TMDLs needed.
TN08010205 036_1000	HALLS CREEK	Lauderdale	15.77	Total Phosphorus L Alteration in stream-side or littoral vegetative cover L Physical Substrate Habitat Alterations L Escherichia coli NA	Nonirrigated Crop Production Channelization Undetermined Pathogen Source	Category 5. (One or more uses impaired.) TMDLs needed. EPA approved a siltation TMDL that addresses some of the known pollutants on 12/15/2011.
TN08010206 001_1000	FORKED DEER RIVER	Dyer Lauderdale	14.9	Loss of biological integrity due to siltation L Physical Substrate Habitat Alterations L	Channelization	Category 5. (One or more uses impaired.) TMDLs needed.

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

Waterbody ID	Impacted Waterbody	County	Miles/Acres Impaired	CAUSE / TMDL Priority	Pollutant Source	COMMENTS
TN08010207 003_0100	COLONEL FORK	Hardeman	8.82	pH L	Undetermined Source	Category 5. (One or more uses impaired.) TMDL needed.
TN08010207 031_1000	CYPRESS CREEK	McNairy	16.7	Loss of biological integrity due to siltation L	Nonirrigated Crop Production Channelization	Category 5. (One or more uses impaired.) TMDL needed.
TN08010207 031_1300	CROOKED CREEK	McNairy	16.7	Alteration in stream-side or littoral vegetative cover L Physical Substrate Habitat Alterations L Loss of biological integrity due to siltation L	Pasture Grazing Channelization	Category 5. (One or more uses impaired.) TMDLs needed.
TN08010207 031_1640	UNNAMED TRIB TO MUDDY CREEK	McNairy	3.2	Alteration in stream-side or littoral vegetative cover L	Nonirrigated Crop Production	Category 5. (One or more uses impaired.) TMDL needed. Former reference stream now degraded.
TN08010207 031_4000	CYPRESS CREEK	McNairy	9.2	Temperature Alterations L	Upstream Impoundment	Category 5. (One or more uses impaired.) TMDL needed.
TN08010207 035_0600	ROSE CREEK	McNairy	10.9	Escherichia coli L	Animal Feeding Operations (NPS)	Category 5. (One or more uses impaired.) TMDL needed.
TN08010207 044_1000	TUSCUMBIA RIVER	McNairy	8.9	Loss of biological integrity due to siltation L	Sources Outside of State	Category 5. (One or more uses impaired.) TMDL needed. Channelization in Mississippi.
TN08010207 072_0200	TALLEY SPRING BRANCH	Hardeman	4.3	Alteration in stream-side or littoral vegetative cover L	Pasture Grazing	Category 5. (One or more uses impaired.) TMDL needed.
TN08010208 001_0200	COPPER SPRINGS CREEK	Lauderdale	13.9	Total Phosphorus L Escherichia coli H	Nonirrigated Crop Production Pasture Grazing	Category 5. (One or more uses impaired.) TMDLs needed.
TN08010208 001_0300	ALSTON CREEK	Lauderdale	18.74	Low Dissolved Oxygen L Total Phosphorus L Escherichia coli H	Municipal Point Source	Category 5. (One or more uses impaired.) TMDL needed.
TN08010208 001_0400	UNNAMED TRIB TO HATCHIE RIVER	Lauderdale	21.41	Low Dissolved Oxygen L Total Phosphorus L Escherichia coli L	Nonirrigated Crop Production Source Unknown	Category 5. (One or more uses impaired.) TMDL needed.
TN08010208 001_0600	DRY BRANCH	Hardeman Madison	4.6	Physical Substrate Habitat Alterations L	Channelization	Category 5. (One or more uses impaired.) TMDL needed.
TN08010208 001_0800	WADE CREEK	Hardeman Chester	26.9	Loss of biological integrity due to siltation NA Physical Substrate Habitat Alterations NA	Nonirrigated Crop Production Channelization	Category 4a. EPA approved siltation/habitat TMDLs that addresses the known pollutant on 9/17/2009.
TN08010208 001_1110	UNNAMED TRIB TO CUB CREEK	Hardeman	4.16	Flow Alterations L	Upstream Impoundment	Category 4c. Impairment not due to a pollutant.) Impounded Stream Study Site.

**2016 303(d) LIST (Hatchie River Basin continued)**

<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_1150	CUB CREEK	Hardeman	9.12	Flow Alteration NA Iron L Alteration in stream-side or littoral vegetative cover L Physical Substrate Habitat Alterations L	Upstream Impoundment Pasture Grazing Channelization	Category 5. (One or more uses impaired.) TMDLs needed. Flow alteration which is Category 4c. (Impairment not due to a pollutant.)
TN08010208 001_1550	SHORT CREEK	Hardeman	10.25	Physical Substrate Habitat Alterations L	Channelization	Category 5. (One or more uses impaired.) TMDL needed.
TN08010208 001_1700	GAMBLE BRANCH	Hardeman	6.0	Loss of biological integrity due to siltation NA	Nonirrigated Crop Production	Category 4a. EPA approved a siltation TMDL that addresses the known pollutant on 9/17/2009.
TN08010208 001_1800	HICKORY CREEK	Hardeman	25.5	Loss of biological integrity due to siltation L Physical substrate Habitat Alterations L	Nonirrigated Crop Production Channelization	Category 5. (One or more uses impaired.) TMDLs needed.
TN08010208 002_0500	MYRON CREEK	Tipton	11.8	Escherichia coli L	Pasture Grazing	Category 5. (One or more uses impaired.) TMDL needed.
TN08010208 002_0600	CANE BRANCH	Tipton	14.42	Escherichia coli L	Urbanized High Density Area	Category 5. (One or more uses impaired.) TMDL needed.
TN08010208 002_1000	INDIAN CREEK	Tipton	12.1	Total Phosphorus L Physical Substrate Habitat Alterations L Escherichia coli L	Nonirrigated Crop Production Channelization Undetermined Source	Category 5. (One or more uses impaired.) TMDLs needed.
TN08010208 007_0200	CATRON CREEK	Fayette	17.2	Total Phosphorus L Physical Substrate Habitat Alterations L Alteration in stream-side or littoral vegetative cover L Escherichia coli NA	Pasture Grazing Permitted Concentrated Animal Feeding Operation Channelization	Category 5. (One or more uses impaired.) TMDLs needed. EPA approved a pathogen TMDL that addresses some of the known pollutants on 3/18/2008.
TN08010208 007_0300	SMART CREEK	Fayette	11.9	Total Phosphorus L Low Dissolved Oxygen L	Nonirrigated Crop Production	Category 5. (One or more uses impaired.) TMDLs needed.
TN08010208 007_0400	UNNAMED TRIB TO BIG MUDDY CREEK	Fayette	17.85	Alteration in stream-side or littoral vegetative cover L Physical Substrate Habitat Alterations L Escherichia coli NA	Nonirrigated Crop Production Irrigated Crop Production Channelization Undetermined Source	Category 5. (One or more uses impaired.) TMDLs needed.
TN08010208 007_0500	UNNAMED TRIB TO BIG MUDDY CREEK	Haywood	4.74	Total Phosphorus L Physical Substrate Habitat Alterations L	Municipal Point Source Nonirrigated Crop Production Channelization	Category 5. (One or more uses impaired.) TMDLs needed.

**2016 303(d) LIST (Hatchie River Basin continued)**

<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 007_1000	BIG MUDDY CREEK	Haywood	7.5	Total Phosphorus Physical Substrate Habitat Alterations L L	Municipal Point Source Nonirrigated Crop Production Channelization	Category 5. (One or more uses impaired.) TMDLs needed.
TN08010208 007_2000	BIG MUDDY CREEK	Haywood Fayette	17.2	Alteration in stream-side or littoral vegetative cover Total Phosphorus Physical Substrate Habitat Alterations L L L	Nonirrigated Crop Production Channelization	Category 5. (One or more uses impaired.) TMDLs needed.
TN08010208 009_0100	LONDON CREEK	Haywood	6.9	Physical Substrate Habitat Alterations L	Channelization	Category 5. (One or more uses impaired.) TMDL needed.
TN08010208 009_0200	MORRIS BRANCH	Haywood	2.44	Alteration in stream-side or littoral vegetative cover L	Nonirrigated Crop Production	Category 5. (One or more uses impaired.) TMDL needed.
TN08010208 009_0410	PRAIRIE CREEK	Haywood	4.7	Low Dissolved Oxygen Alteration in stream-side or littoral vegetative cover Total Phosphorus L L	Nonirrigated Crop Production	Category 5. (One or more uses impaired.) TMDLs needed.
TN08010208 009_1000	POPLAR CREEK	Haywood Fayette	17.8	Loss of biological integrity due to siltation Alteration in stream-side or littoral vegetative cover Physical Substrate Habitat Alterations NA L L	Nonirrigated Crop Production Channelization	Category 5. (One or more uses impaired.) TMDLs needed. EPA approved a siltation TMDL that addresses some of the known pollutants on 9/17/2009.
TN08010208 011_0100	LITTLE CREEK	Fayette Hardeman	23.6	Nitrate+Nitrite Total Phosphorus Alteration in stream-side or littoral vegetative cover L L	Pasture Grazing Nonirrigated Crop Production	Category 5. (One or more uses impaired.) TMDLs needed.
TN08010208 011_2000	BEAR CREEK	Fayette	7.9	Nitrate+Nitrite Total Phosphorus Physical Substrate Habitat Alterations Loss of biological integrity due to siltation Alteration in stream-side or littoral vegetative cover M M L NA NA	Nonirrigated Crop Production Channelization	Category 5. (One or more uses impaired.) TMDLs needed. EPA approved a siltation/habitat TMDL that addresses some of the known pollutants on 9/17/2009.
TN08010208 015_0100	OAK DAIN CREEK	Hardeman	23.8	Flow Alterations NA	Upstream Impoundment	Category 4c. (Impairment is not due to a pollutant.) Impounded Streams Study.
TN08010208 024_0210	HUDSON BRANCH	Hardeman	2.52	Iron Flow Alterations L NA	Upstream Impoundment	Category 5. (One or more uses impaired.) TMDL needed. Flow alteration is 4c. (Impairment is not due to a pollutant.) Randomly selected for Impounded Streams Study.

**2016 303(d) LIST (Hatchie River Basin continued)**

<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 027_2000	PINEY CREEK	Chester	4.15	Temperature Alterations Flow Alterations L NA	Upstream Impoundment	Category 5. (One or more uses impaired.) TMDL needed. Flow alteration is 4c. (Impairment is not due to a pollutant.) Randomly selected for Impounded Streams Study.
TN08010208 028_0100	UNNAMED TRIB TO GRAYS CREEK	Hardeman	3.13	Flow Alterations NA	Upstream Impoundment	Category 4c. (Impairment is not due to a pollutant.) Randomly selected for Impounded Streams Study.
TN08010208 029_0100	DRY CREEK	Hardeman Madison	22.1	Loss of biological integrity due to siltation Physical substrate habitat alterations NA NA	Nonirrigated Crop Production Channelization	Category 4a EPA approved a siltation/habitat TMDL that addresses some of the known pollutants on 9/17/2009.
TN08010208 030_0100	TURKEY BRANCH	Madison	5.6	Loss of biological integrity due to siltation NA	Nonirrigated Crop Production	Category 4a. EPA approved a siltation TMDL that addresses the known pollutants on 9/17/2009.
TN08010208 031_1000	SUGAR CREEK	Haywood	10.5	Loss of biological integrity due to siltation Escherichia coli NA L	Nonirrigated Crop Production Discharges from MS4 area Collection System Failure	Category 5. (One or more uses impaired.) TMDL needed. EPA approved a siltation TMDL that addresses some of the known pollutants on 9/17/2009. Brownsville area impacts.
TN08010208 032_1000	CYPRESS CREEK	Haywood	19.2	Loss of biological integrity due to siltation Low dissolved oxygen NA L	Nonirrigated Crop Production	Category 5. (One or more uses impaired.) TMDL needed. EPA approved a siltation TMDL that addresses some of the known pollutants on 9/17/2009.
TN08010208 033_0100	CAMP CREEK	Lauderdale Haywood	20.2	Low dissolved oxygen Total Phosphorus Physical Substrate Habitat Alterations Alteration in stream-side or littoral vegetative cover Loss of biological integrity due to siltation Escherichia coli L L L NA NA L	Nonirrigated Crop Production Pasture Grazing	Category 5. (One or more uses impaired.) TMDLs needed. EPA approved a siltation/habitat alteration TMDL that addresses some of the known pollutants on 9/17/2009.
TN08010208 033_1000	LAGOON CREEK	Lauderdale Haywood	19.3	Low dissolved oxygen L	Undetermined Source	Category 5. (One or more uses impaired.) TMDL needed.

**2016 303(d) LIST (Hatchie River Basin continued)**

<b>Waterbody ID</b>	<b>Impacted Waterbody</b>	<b>County</b>	<b>Miles/Acres Impaired</b>	<b>CAUSE / TMDL Priority</b>	<b>Pollutant Source</b>	<b>COMMENTS</b>
TN08010208 034_0100	OLD CHANNEL OF NELSON CREEK	Lauderdale	0.76	Escherichia coli NA	Undetermined Pathogen Source	Category 4a. EPA has approved pathogen TMDL that addresses the known pollutant on 3/18/2008.
TN08010208 034_0200	NELSON CREEK	Lauderdale	10.6	Physical Substrate Habitat Alterations L	Channelization	Category 5. (One or more uses impaired.) TMDL needed.
TN08010208 034_0300	HYDE CREEK	Lauderdale	20.54	Escherichia coli Loss of biological integrity due to siltation Physical Substrate Habitat Alteration NA NA	Collection System Failure Nonirrigated Crop Production Channelization Urbanized High Density Area	Category 4a EPA approved pathogen and siltation TMDLs that address some of the known pollutants on 3/18/2008 and 9/17/2009.
TN08010208 034_1000	CANE CREEK	Lauderdale	14.1	Physical Substrate Habitat Alterations Loss of biological integrity due to siltation L L	Nonirrigated Crop Production Channelization	Category 5. (One or more uses impaired.) TMDLs needed.
TN08010208 034_2000	CANE CREEK	Lauderdale	6.66	Total Phosphorus Physical Substrate Habitat Alterations Escherichia coli L L NA	Nonirrigated Crop Production Channelization Collection System Failure	Category 5. (One or more uses impaired.) TMDLs needed. EPA approved a pathogen TMDL that addresses some of the known pollutants on 3/18/2008.
TN08010208 034_3000	CANE CREEK	Lauderdale	4.6	Physical Substrate Habitat Alterations Escherichia coli L NA	Channelization Collection System Failure	Category 5. (One or more uses impaired.) TMDL needed. EPA approved a pathogen TMDL that addresses some of the known pollutants on 3/18/2008.
TN08010208 056_1000	FLAT CREEK	Tipton	8.1	Total Phosphorus Loss of biological integrity due to siltation Physical Substrate Habitat Alterations Escherichia coli L NA NA NA	Nonirrigated Crop Production Channelization Pasture Grazing	Category 5. (One or more uses impaired.) TMDL needed. EPA approved siltation/habitat alteration and pathogen TMDLs that address some of the known pollutants on 9/17/2009 and 3/18/2008.
TN08010208 062_1000	JEFFERS CREEK	Haywood Madison	10.8	Loss of biological integrity due to siltation Physical Substrate Habitat Alteration NA NA	Nonirrigated Crop Production Channelization	Category 5. (One or more uses impaired.) TMDL needed. EPA approved a siltation/habitat alteration TMDL that addresses the known pollutants on 9/17/2009.

**2016 303(d) LIST (Hatchie River Basin continued)**

<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 065_1000	MATHIS CREEK	Tipton	11.3	Alteration in stream-side or littoral vegetative cover L Physical Substrate Habitat Alteration NA Total Phosphorus L Loss of biological integrity due to siltation NA Escherichia coli L	Nonirrigated Crop Production Channelization Pasture Grazing	Category 5. (One or more uses impaired.) TMDLs needed. EPA approved a siltation/habitat alteration TMDL that addresses some of the known pollutants on 9/17/2009.
TN08010208 066_0100	PUGH CREEK	Hardeman	4.8	Alteration in stream-side or littoral vegetative cover L Physical Substrate Habitat Alterations L	Pasture Grazing Channelization	Category 5. (One or more uses impaired.) TMDLs needed.
TN08010208 072_1000	RICHLAND CREEK	Haywood Hardeman	11.0	Loss of biological integrity due to siltation NA Physical Substrate Habitat Alterations NA	Nonirrigated Crop Production	Category 4a. EPA approved a siltation/habitat alteration TMDL that addresses the known pollutants on 9/17/2009.
TN08010208 073_1000	RICHLAND CREEK	Tipton	11.0	Low Dissolved Oxygen L Total Phosphorus M Loss of biological integrity due to siltation NA Physical Substrate Habitat Alterations NA Escherichia coli NA	Nonirrigated Crop Production Channelization Pasture Grazing	Category 5. (One or more uses impaired.) TMDL needed. EPA approved siltation/habitat and pathogen TMDLs that address some of the known pollutants on 9/17/2009 and 3/18/2008.
TN08010208 896_1000	TOWN CREEK	Tipton	11.3	Low Dissolved Oxygen L Total Phosphorus L Loss of biological integrity due to siltation L Physical Substrate Habitat Alterations L Escherichia coli L	Undetermined Source Nonirrigated Crop Production Urbanized High Density Area Channelization	Category 5. (One or more uses impaired.) TMDLs needed.
TN08010208 1866_1000	CARTER CREEK	Haywood	6.4	Physical Substrate Habitat Alterations L Alteration in stream-side or littoral vegetative cover L Escherichia coli L	Nonirrigated Crop Production Channelization Source Unknown	Category 5. (One or more uses impaired.) TMDLs needed.

## Loosahatchie River Basin

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

Waterbody ID	Impacted Waterbody	County	Miles/Acres Impaired	CAUSE / TMDL Priority	Pollutant Source	COMMENTS
TN08010209 001_0100	TODD BRANCH	Shelby	4.9	Low Dissolved Oxygen L Physical substrate Habitat L Alterations L Total Phosphorus L Escherichia coli NA	Discharges from MS4 area Channelization Collection System Failure	Category 5. (One or more uses impaired.) TMDLs needed. EPA approved a pathogen TMDL that addresses some of the known pollutants on 7/27/11.
TN08010209 001_1000	LOOSAHATCHIE RIVER	Shelby	7.8	Mercury L PCBs NA Dioxins NA Chlordane NA Loss of biological integrity due to siltation L Physical Substrate Habitat Alterations L Total Phosphorus L Escherichia coli NA	Atmospheric Deposition Discharges from MS4 area Contaminated Sediment Channelization	<a href="#">Fishing advisory</a> originally due to chlordane. Category 5. (One or more uses impaired.) TMDLs needed. EPA approved PCB, dioxin, chlordane and pathogen TMDLs that address some of the known pollutants on 10/15/08 and 7/27/11.
TN08010209 002_0100	UNNAMED TRIB TO LOOSAHATCHIE RIVER	Shelby	4.95	Escherichia coli NA	Discharges from MS4 area	Category 4a. EPA approved a pathogen TMDL that addresses the known pollutant. on 7/27/11.
TN08010209 002_0200	ROCKY BRANCH	Shelby	6.62	Escherichia coli NA	Discharges from MS4 area	Category 4a. EPA approved a pathogen TMDL that addresses the known pollutant on 7/27/11.
TN08010209 002_0300	SCOTTS CREEK	Shelby	7.2	Flow Alterations NA	Upstream Impoundment	Category 4c. (Impairment not due to a pollutant.
TN08010209 002_0400	OLIVER CREEK	Shelby	7.4	Total Phosphorus L Loss of biological integrity due to siltation L Escherichia coli NA	Discharges from MS4 area Land Development	Category 5. (One or more uses impaired.) TMDLs needed. EPA approved a pathogen TMDL that addresses one of the known pollutants on 7/27/11.
TN08010209 002_0500	BUCKHEAD CREEK	Shelby	14.59	Total Phosphorus L Low Dissolved Oxygen L Loss of biological integrity due to siltation L Escherichia coli NA	Discharges from MS4 area Land Development	Category 5. (One or more uses impaired.) TMDLs needed. EPA approved a pathogen TMDL that addresses one of the known pollutants on 7/27/11.

**2016 303(d) LIST (Loosahatchie River Basin continued)**

<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_0700	HOWARD CREEK	Shelby	7.21	Total Phosphorus L Escherichia coli NA	Discharges from MS4 area	Category 5. (One or more uses impaired.) TMDL needed. EPA approved a pathogen TMDL that addresses one of the known pollutants on 7/27/11. (This segment was identified as _0600 in TMDL.)
TN08010209 002_1000	LOOSAHATCHIE RIVER	Shelby	10.3	Mercury L Chlordane NA PCBs NA Dioxin NA Total Phosphorus L Loss of biological integrity due to siltation L Physical Substrate Habitat Alterations L Escherichia coli NA	Atmospheric Deposition Contaminated Sediment Discharges from MS4 area Land Development Channelization	Category 5. (One or more uses impaired.) TMDLs needed. EPA approved PCB, dioxin, chlordane and pathogen TMDLs that address some of the known pollutants on 7/27/11.
TN08010209 002_2000	LOOSAHATCHIE RIVER	Shelby	8.2	Total Phosphorus L Physical Substrate Habitat Alterations L Loss of biological integrity due to siltation L Escherichia coli NA	Municipal Point Source Discharges from MS4 area Land Development Channelization	Category 5. (One or more uses impaired.) TMDLs needed. EPA has approved a pathogen TMDL that addresses some of the known pollutants on 7/27/11.
TN08010209 003_0100	HALL CREEK	Shelby	8.09	Physical Substrate Habitat Alterations L Escherichia coli L	Channelization Discharges from MS4 area	Category 5. (One or more uses impaired.) TMDLs needed.
TN08010209 003_0200	CYPRESS CREEK	Shelby Fayette	13.67	Total Phosphorus L Physical Substrate Habitat Alterations L Loss of biological integrity due to siltation L Escherichia coli NA	Pasture Grazing Channelization	Category 5. (One or more uses impaired.) TMDLs needed. EPA has approved a pathogen TMDL that addresses some of the known pollutants on 7/27/11.
TN08010209 003_0210	UNNAMED TRIB TO CYPRESS CREEK	Shelby	1.12	Physical Substrate Habitat Alterations L	Channelization	Category 5. (One or more uses impaired.) TMDL needed.
TN08010209 003_0220	UNNAMED TRIB TO CYPRESS CREEK	Shelby	4.09	Physical Substrate Habitat Alterations L	Channelization	Category 5. (One or more uses impaired.) TMDL needed.
TN08010209 003_1000	CLEAR CREEK	Shelby	2.67	Total Phosphorus L Physical Substrate Habitat Alterations L Loss of biological integrity due to siltation L Escherichia coli NA	Pasture Grazing Channelization	Category 5. (One or more uses impaired.) TMDLs needed. EPA has approved a pathogen TMDL that addresses some of the known pollutants on 7/27/2011.

**2016 303(d) LIST (Loosahatchie River Basin continued)**

<b>Waterbody ID</b>	<b>Impacted Waterbody</b>	<b>County</b>	<b>Miles/Acres Impaired</b>	<b>CAUSE / TMDL Priority</b>	<b>Pollutant Source</b>	<b>COMMENTS</b>
TN08010209 004_0100	BLACK ANKLE CREEK	Fayette	27.0	Low Dissolved Oxygen L Total Phosphorus L Loss of biological integrity due to siltation L Escherichia coli NA	Nonirrigated Crop Production Land Development Pasture Grazing	Category 5. (One or more uses impaired.) TMDLs needed. . EPA approved a pathogen TMDL that addresses one of the known pollutants on 7/27/11.
TN08010209 004_1000	LOOSAHATCHIE RIVER	Shelby Fayette	10.0	Physical Substrate Habitat Alterations L	Channelization	Category 5. (One or more uses impaired.) TMDL needed.
TN08010209 007_1000	LOOSAHATCHIE RIVER	Fayette	9.6	Physical Substrate Habitat Alterations L Escherichia coli NA	Channelization Municipal Point Source	Category 5. (One or more uses impaired.) TMDL needed. EPA approved a pathogen TMDL that addresses one of the known pollutants on 7/27/11.
TN08010209 008_1000	UNNAMED TRIB TO LOOSAHATCHIE RIVER (Formerly Treadville Bottom)	Fayette	32.16	Escherichia coli NA	Pasture Grazing	Category 4a. EPA approved a pathogen TMDL that addresses the known pollutant on 7/27/11.
TN08010209 010_1000	JONES CREEK	Fayette	36.9	Physical Substrate Habitat Alteration L Loss of biological integrity due to siltation L Escherichia coli NA	Nonirrigated Crop Production Undetermined Source	Category 5. (One or more uses impaired.) TMDLs needed. EPA approved a pathogen TMDL that addresses one of the known pollutants on 7/27/11.
TN08010209 011_0200	KINGS CREEK	Fayette	15.9	Physical Substrate Habitat Alterations L	Channelization	Category 5. (One or more uses impaired.) TMDL needed.
TN08010209 011_1000	LOOSAHATCHIE RIVER	Fayette	5.8	Physical Substrate Habitat Alterations L	Channelization	Category 5. (One or more uses impaired.) TMDL needed.
TN08010209 011_2000	LOOSAHATCHIE RIVER	Fayette	14.1	Physical Substrate Habitat Alterations L	Channelization	Category 5. (One or more uses impaired.) TMDL needed.
TN08010209 012_1000	BENNETT CREEK	Fayette	19.91	Physical Substrate Habitat Alterations L Alteration in stream-side or littoral vegetative cover L	Nonirrigated Crop Production Channelization	Category 5. (One or more uses impaired.) TMDLs needed.
TN08010209 014_1000	LAUREL CREEK	Fayette	38.2	Total Phosphorus L Low Dissolved Oxygen L Physical Substrate Habitat Alterations L Loss of biological integrity due to siltation L Escherichia coli NA	Nonirrigated Crop Production Channelization Undetermined Source	Category 5. (One or more uses impaired.) TMDLs needed. EPA approved a pathogen TMDL that addresses one of the known pollutants on 7/27/11.

**2016 303(d) LIST (Loosahatchie River Basin continued)**

<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 015_1000	LITTLE CYPRESS CREEK	Fayette	17.14	Total Phosphorus L Low Dissolved Oxygen L Physical Substrate Habitat Alterations L	Nonirrigated Crop Production Channelization	Category 5. (One or more uses impaired.). TMDLs needed.
TN08010209 016_0100	WEST BEAVER CREEK	Shelby Tipton	30.95	Low Dissolved Oxygen L Total Phosphorus L Loss of biological integrity due to siltation L Physical Substrate Habitat Alterations L	Nonirrigated Crop Production Channelization	Category 5. (One or more uses impaired.) TMDLs needed.
TN08010209 016_0200	MIDDLE BEAVER CREEK	Tipton	65.37	Low Dissolved Oxygen L Total Phosphorus L Loss of biological integrity due to siltation L Physical Substrate Habitat Alterations L	Nonirrigated Crop Production Channelization	Category 5. (One or more uses impaired.) TMDLs needed.
TN08010209 016_0210	KELLY BRANCH	Tipton	16.67	Escherichia coli NA	Pasture Grazing	Category 4a. EPA approved a pathogen TMDL that addresses the known pollutant on 7/27/11.
TN08010209 016_0300	EAST BEAVER CREEK	Tipton Fayette	65.96	Low Dissolved Oxygen L Nitrate+Nitrite L Total Phosphorus L Loss of biological integrity due to siltation L Physical Substrate Habitat Alterations L	Nonirrigated Crop Production Municipal Point Source	Category 5. (One or more uses impaired.) TMDLs needed.
TN08010209 016_0310	BAXTER BOTTOM	Tipton	37.99	Physical Substrate Habitat Alterations L	Channelization	Category 5. (One or more uses impaired.) TMDL needed.
TN08010209 016_1000	BEAVER CREEK	Shelby Fayette	30.38	Total Phosphorus L Low Dissolved Oxygen L Loss of biological integrity due to siltation L Physical Substrate Habitat Alterations L	Nonirrigated Crop Production Channelization	Category 5. (One or more uses impaired.) TMDLs needed.
TN08010209 021_0100	JAKES CREEK	Shelby	22.8	Total Phosphorus L Loss of biological integrity due to siltation L Escherichia coli NA	Nonirrigated Crop Production Undetermined Source	Category 5. (One or more uses impaired.) TMDLs needed. EPA approved a pathogen TMDL that addresses one of the known pollutants on 7/27/11.

**2016 303(d) LIST (Loosahatchie River Basin continued)**

<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_0110	BEAR CREEK	Shelby Tipton	14.5	Total Phosphorus L Low Dissolved Oxygen L Escherichia coli NA	Nonirrigated Crop Production Pasture Grazing	Category 5. (One or more uses impaired.) TMDLs needed. EPA approved a pathogen TMDL that addresses one of the known pollutants on 7/27/11.
TN08010209 021_0200	ROYSTER CREEK	Shelby Tipton	37.4	Total Phosphorus L Low Dissolved Oxygen L Physical Substrate Habitat Alterations L Loss of biological integrity due to siltation L Escherichia coli NA	Nonirrigated Crop Production Channelization Pasture Grazing	Category 5. (One or more uses impaired.) TMDLs needed. EPA approved a pathogen TMDL that addresses one of the known pollutants on 7/27/11.
TN08010209 021_0300	NORTH FORK CREEK	Shelby Tipton	37.6	Total Phosphorus L Low Dissolved Oxygen L Physical Substrate Habitat Alteration L Loss of biological integrity due to siltation L Escherichia coli NA	Nonirrigated Crop Production Channelization Discharges from MS4 area	Category 5. (One or more uses impaired.) TMDLs needed. EPA approved a pathogen TMDL that addresses one of the known pollutants on 7/27/11.
TN08010209 021_0600	CROOKED CREEK CANAL	Shelby	31.21	Total Phosphorus L Low Dissolved Oxygen L Physical Substrate Habitat Alteration L Escherichia coli NA	Nonirrigated Crop Production Point Source Discharge Channelization On-site Treatment System	Category 5. (One or more uses impaired.) TMDLs needed. EPA approved a pathogen TMDL that addresses one of the known pollutants on 7/27/11.
TN08010209 021_0610	UNNAMED TRIB TO CROOKED CREEK CANAL	Shelby	2.62	Escherichia coli L	On-site Treatment System	Category 5. (One or more uses impaired.) TMDLs needed.
TN08010209 021_1000	BIG CREEK	Shelby	8.33	Low Dissolved Oxygen L Nitrate + Nitrite L Total Phosphorus L Physical Substrate Habitat Alteration L Loss of biological integrity due to siltation L Escherichia coli NA	Discharges from MS4 area Municipal Point Source Channelization	Category 5. (One or more uses impaired.) TMDLs needed. EPA has approved a pathogen TMDL that addresses some of the known pollutants on 7/27/11.

**2016 303(d) LIST (Loosahatchie River Basin continued)**

<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_2000	BIG CREEK	Shelby	6.25	Low Dissolved Oxygen L Total Phosphorus L Physical Substrate Habitat Alteration L Loss of biological integrity due to siltation L Escherichia coli NA	Discharges from MS4 area Channelization	Category 5. (One or more uses impaired.) TMDLs needed. EPA has approved a pathogen TMDL that addresses some of the known pollutants on 7/27/11.
TN08010209 021_3000	BIG CREEK	Shelby Tipton	27.75	Total Phosphorus L  Physical Substrate Habitat Alteration L Loss of biological integrity due to siltation L Escherichia coli NA	Nonirrigated Crop Production Channelization Discharges from MS4 area	Category 5. (One or more uses impaired.) TMDLs needed. EPA approved a pathogen TMDL that addresses one of the known pollutants on 7/27/11.
TN08010209 021_4000	BIG CREEK	Tipton	35.1	Escherichia coli NA	Undetermined Source	Category 4a. EPA approved a pathogen TMDL that addresses the known pollutant on 7/27/11.

**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 NA Total Phosphorus L Low dissolved oxygen L Escherichia coli NA	Discharges from MS4 area	Category 5. (One or more uses impaired.) TMDLs needed. EPA has approved pathogen and metals TMDLs that addresses some of the known pollutants.
TN08010210 001_0200	HARRISON CREEK	Shelby	4.6	Physical Substrate Habitat Alteration L Escherichia coli L	Discharges from MS4 area	Category 5. (One or more uses impaired.) TMDLs needed. EPA approved a pathogen TMDL that addresses some of the known pollutants on 8/13/07.

2016 303(d) LIST (Wolf River Basin continued)

Waterbody ID	Impacted Waterbody	County	Miles/Acres Impaired	CAUSE / TMDL Priority	Pollutant Source	COMMENTS
TN08010210 001_0300	WORKHOUSE BAYOU	Shelby	3.7	Physical Substrate Habitat Alteration L Alteration in stream-side or littoral vegetative cover L Total Phosphorus L Escherichia coli NA Low dissolved oxygen L	Discharges from MS4 area	Category 5. (One or more uses impaired.) TMDLs needed. EPA has approved a pathogen TMDL that addresses some of the known pollutants on 7/8/11.
TN08010210 001_1000	WOLF RIVER	Shelby	12.8	Total Phosphorus M Mercury L Chlordane NA PCBs NA Dioxin NA Loss of biological integrity due to siltation L Escherichia coli NA	Atmospheric Deposition Discharges from MS4 area RCRA Hazardous Waste Site Channelization Contaminated sediments	<a href="#">Fishing advisory</a> . Category 5. (One or more uses impaired.) TMDLs needed. EPA approved pathogen, PCB, and dioxin/chlordane TMDLs that address some of the known pollutants on 8/1/07, 12/13/07, and 7/8/11.
TN08010210 002_0100	SWEETBRIAR CREEK	Shelby	2.5	Physical Substrate Habitat Alterations L	Channelization	Category 5. (One or more uses impaired.) TMDL needed.
TN08010210 002_0200	WHITE STATION CREEK	Shelby	4.6	Physical Substrate Habitat Alterations L	Discharges from MS4 area	Category 5. (One or more uses impaired.) TMDL needed.
TN08010210 002_1000	WOLF RIVER	Shelby	6.3	Mercury L Chlordane NA PCBs NA Dioxin NA Loss of biological integrity due to siltation L Total Phosphorus L	Atmospheric Deposition Contaminated Sediments Channelization Discharges from MS4 area	<a href="#">Fishing advisory</a> . Category 5. (One or more uses impaired.) TMDLs needed. EPA approved PCB, dioxin, and chlordane TMDLs that address some of the known pollutants on 5/30/13
TN08010210 002_2000	WOLF RIVER	Shelby	3.8	Loss of biological integrity due to siltation L	Channelization Discharges from MS4 area	Category 5. (One or more uses impaired.) TMDL needed.
TN08010210 003_0100	JOHNSON CREEK	Shelby Fayette	10.4	Alteration in stream-side or littoral vegetative cover L	Discharges from MS4 Area Pasture Grazing	Category 5. (One or more uses impaired.) TMDL needed.
TN08010210 004_0400	UNNAMED TRIB TO WOLF RIVER	Fayette	12.0	Escherichia coli NA Loss of biological integrity due to siltation L	Pasture Grazing Construction Stormwater Discharges (Permitted)	Category 5. (One or more uses impaired.) TMDL needed. EPA approved a pathogen TMDL that addresses the known pollutant on 8/1/07.
TN08010210 004_0410	UNNAMED TRIB TO THE UNNAMED TRIB TO WOLF RIVER	Fayette	11.6	Alteration in stream-side or littoral vegetative cover L Loss of biological integrity due to siltation L	Nonirrigated Crop Production Construction Stormwater Discharges (Permitted)	Category 5. (One or more uses impaired.) TMDLs needed.

**2016 303(d) LIST (Wolf River Basin continued)**

<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 004_0500	RUSSELL CREEK	Fayette	12.8	Alteration in stream-side or littoral vegetative cover L Physical Substrate Habitat Alterations L Escherichia coli NA	Nonirrigated Crop Production Channelization Pasture Grazing On-site Treatment System	Category 5. (One or more uses impaired.) TMDLs needed. EPA approved a pathogen TMDL that addresses the known pollutant on 8/1/07.
TN08010210 005_0100	TEAGUE BRANCH	Fayette	17.0	Physical Substrate Habitat Alterations L Escherichia coli NA	Pasture Grazing	Category 5. (One or more uses impaired.) TMDL needed. EPA approved a pathogen TMDL that addresses the known pollutant on 8/1/07.
TN08010210 005_0200	STOUT CREEK	Fayette	6.7	Physical Substrate Habitat Alterations L	Pasture Grazing Channelization	Category 5. (One or more uses impaired.) TMDL needed.
TN08010210 005_1000	GRISSUM CREEK	Fayette	17.9	Physical Substrate Habitat Alterations L Low dissolved oxygen L Escherichia coli NA	Channelization	Category 5. (One or more uses impaired.) TMDLs needed. EPA approved a pathogen TMDL that addresses some of the known pollutants on 8/1/07.
TN08010210 019_0300	MOODY CREEK	Hardeman	3.1	Flow Alteration NA	Upstream Impoundment	Category 4c. (Impairment not due to a pollutant. Poor quality releases from Indian Creek Lake #8.
TN08010210 020_0410	MAY CREEK	Fayette Hardeman	27.1	Escherichia coli NA	Pasture Grazing	Category 4a. EPA approved a pathogen TMDL that addresses the known pollutant on 8/1/07. (This segment was identified as _0310 in TMDL.)
TN08010210 020_0500	NORTH FORK CREEK	Fayette Hardeman	39.0	Escherichia coli NA	Pasture Grazing	Category 4a. EPA approved a pathogen TMDL that addresses the known pollutant on 8/1/07. (This segment was identified as _0400 in TMDL.)
TN08010210 021_0100	ALEXANDER CREEK	Fayette	21.8	Low Dissolved Oxygen L	Pasture Grazing	Category 5. (One or more uses impaired.) TMDL needed.
TN08010210 021_1000	SHAWS CREEK	Fayette	20.1	Low dissolved oxygen L Escherichia coli NA	Undetermined Source Pasture Grazing	Category 5. (One or more uses impaired.) TMDL needed. Approved pathogen TMDL addresses some of the known pollutants on 8/1/07.

2016 303(d) LIST (Wolf River Basin continued)

Waterbody ID	Impacted Waterbody	County	Miles/Acres Impaired	CAUSE / TMDL Priority	Pollutant Source	COMMENTS
TN08010210 022_0100	UNNAMED TRIB TO GRAYS CREEK	Shelby	8.4	Loss of biological integrity due to siltation L Physical Substrate Habitat Alteration L Total Phosphorus L Low Dissolved Oxygen L Escherichia coli NA	Discharges from MS4 area	Category 5. (One or more uses impaired.) TMDLs needed. EPA approved a pathogen TMDL that addresses some of the known pollutants on 8/1/07.
TN08010210 022_0300	MARYS CREEK	Shelby	17.4	Loss of biological integrity due to siltation L Total Phosphorus L Low dissolved oxygen L Escherichia coli NA	Discharges from MS4 Area Upstream Impoundment Pasture Grazing	Category 5. (One or more uses impaired.) TMDLs needed. EPA approved a pathogen TMDL that addresses some of the known pollutants on 8/1/07.
TN08010210 022_0350	MARYS CREEK	Shelby Fayette	2.5	Flow Alteration NA Escherichia coli NA	Upstream Impoundment Pasture Grazing	Category 4a. EPA approved a pathogen TMDL that addresses the known pollutant on 8/1/07. Flow alteration is 4c (Impairment not due to pollutant.) Mary's Creek impacted below Herb Parson's Lake.
TN08010210 022_1000	GRAYS CREEK	Shelby Fayette	15.8	Total Phosphorus L Low Dissolved Oxygen L Physical Substrate Habitat Alterations L Loss of biological integrity due to siltation L Escherichia coli L	Discharges from MS4 Area Nonirrigated Crop Production Channelization	Category 5. (One or more uses impaired.) TMDLs needed.
TN08010210 023_0100	UNNAMED TRIB TO FLETCHER CREEK	Shelby	23.1	Arsenic NA Alteration in stream-side or littoral vegetative cover L Physical Substrate Habitat Alteration L Escherichia coli NA	Discharges from MS4 area Channelization	Category 5. (One or more uses impaired.) TMDLs needed. EPA approved pathogen and metals TMDLs that addresses some of the known pollutants on 8/1/07 and 5/30/13.
TN08010210 023_0200	UNNAMED TRIB TO FLETCHER CREEK	Shelby	6.5	Alteration in stream-side or littoral vegetative cover L Low Dissolved Oxygen L Total Phosphorus L Escherichia coli NA	Discharges from MS4 area Pasture Grazing Livestock Feeding Operations	Category 5. (One or more uses impaired.) TMDLs needed. EPA approved a pathogen TMDL that addresses some of the known pollutants on 8/1/07.

**2016 303(d) LIST (Wolf River Basin continued)**

<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 023_1000	FLETCHER CREEK	Shelby	10.7	Low Dissolved Oxygen L Total Phosphorus L Physical Substrate Habitat Alterations L Escherichia coli NA	Pasture Grazing Discharges from MS4 area Channelization	Category 5. (One or more uses impaired.) TMDLs needed. EPA approved pathogen and metal TMDLs that address some of the known pollutants on 8/1/07 and 5/30/13.
TN08010210 032_1000	CYPRESS CREEK	Shelby	8.6	PCBs L Aldrin L Dieldrin L Endrin L DDT L Chlordane L Low Dissolved Oxygen L Total Phosphorus L Physical Substrate Habitat Alterations L Escherichia coli NA	Contaminated Sediment Collection System Failure Discharges from MS4 area Channelization	Category 5. (One or more uses impaired.) TMDLs needed. EPA approved a pathogen and metals TMDLs that addresses some of the known pollutants on 8/1/07. (This segment was included in _1000 in TMDL.) Some sections of Cypress Creek concreted.
TN08010210 032_2000	CYPRESS CREEK	Shelby	5.0	PCBs L Low Dissolved Oxygen L Total Phosphorus L Physical Substrate Habitat Alterations L Escherichia coli NA	Contaminated Sediment Collection System Failure Discharges from MS4 area Channelization	Category 5. (One or more uses impaired.) TMDLs needed. EPA approved a pathogen TMDL that addresses some of the known pollutants on 8/1/07. (This segment was included in _1000 in TMDL.) Most of upper Cypress Creek concreted.

**Nonconnah Creek Basin**

This basin contains the following USGS Hydrologic Unit Codes: 08010211 (Nonconnah 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>
TN08010211 001_0100	HORN LAKE CUTOFF	Shelby	16.4	Low Dissolved Oxygen L Total Phosphorus L Loss of biological integrity due to siltation L	Nonirrigated Crop Production	Category 5. (One or more uses impaired.) TMDLs needed.
TN08010211 001_1000	HORN LAKE CREEK	Shelby	10.3	Physical Substrate Habitat Alterations L Escherichia coli NA	Channelization Collection System Failure	Category 5. (One or more uses impaired.) TMDL needed. EPA approved a pathogen TMDL that addresses some of the known pollutants on 6/17/2011.

**2016 303(d) LIST (Nonconnah Creek Watershed continued)**

<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 001_2000	HORN LAKE CREEK	Shelby	5.2	Total Phosphorus L Low Dissolved Oxygen L Loss of biological integrity due to siltation L Escherichia coli NA	Sources Outside of State Land Development	Category 5. (One or more uses impaired.) TMDLs needed. EPA approved a pathogen TMDL that addresses some of the known pollutants on 6/17/2011.
TN08010211 007_1000	CYPRESS CREEK	Shelby	18.2	Low Dissolved Oxygen L Total Phosphorus L Arsenic NA Escherichia coli NA	Discharges from MS4 area Collection System Failure	Category 5. (One or more uses impaired.) TMDLs needed. EPA approved arsenic and pathogen TMDLs that address some of the known pollutants on 6/20/2014 and 6/17/2011.
TN08010211 00711- 0200	CANE CREEK	Shelby	7.2	Low Dissolved Oxygen L Total Phosphorus L Physical Substrate Habitat Alteration L Escherichia coli NA	Discharges from MS4 area Channelization Collection System Failure	Category 5. (One or more uses impaired.) TMDLs needed. EPA has approved a pathogen TMDL that addresses some of the known pollutants on 6/17/2011.
TN08010211 00711- 0300	BLACK BAYOU	Shelby	7.9	Total Phosphorus L Physical Substrate Habitat Alteration L Escherichia coli NA	Discharges from MS4 area Channelization	Category 5. (One or more uses impaired.) TMDLs needed. EPA has approved a pathogen TMDL that addresses some of the known pollutants on 6/17/2011.
TN08010211 00711- 0400	TENMILE CREEK	Shelby	13.3	Low Dissolved Oxygen L Total Phosphorus L Physical Substrate Habitat Alteration L Escherichia coli NA	Discharges from MS4 area Channelization	Category 5. (One or more uses impaired.) TMDLs needed. EPA has approved a pathogen TMDL that addresses some of the known pollutants on 6/17/2011.
TN08010211 00711- 0500	HURRICANE CREEK	Shelby	13.3	Low Dissolved Oxygen L Total Phosphorus L Other anthropogenic substrate alterations L Escherichia coli NA	Discharges from MS4 area Industrial Stormwater Discharge Channelization	Category 5. (One or more uses impaired.) TMDLs needed. EPA has approved a pathogen TMDL that addresses some of the known pollutants on 6/17/2011.
TN08010211 00711- 0600	DAYS CREEK	Shelby	10.6	Total Phosphorus L Other anthropogenic substrate alterations L Escherichia coli NA	Discharges from MS4 area Channelization	Category 5. (One or more uses impaired.) TMDLs needed. EPA approved a pathogen TMDL that addresses some of the known pollutants on 6/17/2011.

2016 303(d) LIST (Nonconnah Creek Watershed continued)

Waterbody ID	Impacted Waterbody	County	Miles/Acres Impaired	CAUSE / TMDL Priority	Pollutant Source	COMMENTS
TN08010211 00711- 1000	NONCONNAH CREEK	Shelby	3.2	PCBs NA Dioxins NA Chlordane NA Total Phosphorus L Loss of biological integrity due to siltation L Physical Substrate Habitat Alterations L Low Dissolved Oxygen L Escherichia coli NA	Discharges from MS4 area Contaminated Sediment Channelization	<a href="#">Fishing advisory</a> . Category 5. (One or more uses impaired.) TMDLs needed. EPA has approved a PCB, dioxin, chlordane, and pathogen TMDLs that address some of the known pollutants on 6/10/2009.
TN08010211 00711- 2000	NONCONNAH CREEK	Shelby	4.86	Total Phosphorus L Loss of biological integrity due to siltation L Physical Substrate Habitat Alterations L Escherichia coli NA	Discharges from MS4 area Channelization	Category 5. (One or more uses impaired.) TMDLs needed. EPA has approved a pathogen TMDL that addresses some of the known pollutants on 6/17/2011.
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	Category 5. (One or more uses impaired.) TMDLs needed. EPA has approved a pathogen TMDL that addresses some of the known pollutants on 6/17/2011.
TN08010211 00720- 0100	UNNAMED TRIB TO NONCONNAH CREEK	Shelby	3.91	Low Dissolved Oxygen L Total Phosphorus L Other Anthropogenic Habitat Alterations L Escherichia coli NA	Discharges from MS4 area	Category 5. (One or more uses impaired.) TMDLs needed. EPA approved a pathogen TMDL that addresses some of the known pollutants on 6/17/2011.
TN08010211 00720- 0200	UNNAMED TRIB TO NONCONNAH CREEK	Shelby	4.02	Escherichia coli NA	Discharges from MS4 area	Category 4a. EPA approved a pathogen TMDL that addresses the known pollutant on 6/17/2011.
TN08010211 00720- 0300	UNNAMED TRIB TO NONCONNAH CREEK	Shelby	3.09	Total Phosphorus M Loss of biological integrity due to siltation L	Specialty Crop Production	Category 5. (One or more uses impaired.) TMDLs needed.
TN08010211 00720- 0400	UNNAMED TRIB TO NONCONNAH CREEK	Shelby	10.07	Total Phosphorus L Loss of biological integrity due to siltation L Escherichia coli NA	Sources Outside State Borders	Category 5. (One or more uses impaired.) TMDLs needed. EPA approved a pathogen TMDL that addresses some of the known pollutants on 6/17/2011.

**2016 303(d) LIST (Nonconnah Creek Watershed continued)**

<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- 0410	UNNAMED TRIB TO THE UNNAMED TRIB TO NONCONNAH CREEK	Shelby	2.53	Low Dissolved Oxygen L Total Phosphorus L Loss of biological integrity due to siltation L Escherichia coli NA	Pasture Grazing Sources Outside State Borders	Category 5. (One or more uses impaired.) TMDLs needed. EPA approved a pathogen TMDL that addresses some of the known pollutants on 6/17/2011.
TN08010211 00720- 0500	UNNAMED TRIB TO NONCONNAH CREEK	Shelby	8.93	Low Dissolved Oxygen L Total Phosphorus L Escherichia coli NA	Discharges from MS4 area	Category 5. (One or more uses impaired.) TMDLs needed. EPA approved a pathogen TMDL that addresses some of the known pollutants on 6/17/2011.
TN08010211 00720- 1000	NONCONNAH CREEK	Shelby	8.3	Total Phosphorus L Loss of biological integrity due to siltation L Physical Substrate Habitat Alterations L Escherichia coli NA	Discharges from MS4 area Channelization	Category 5. (One or more uses impaired.) TMDLs needed. EPA approved a pathogen TMDL that addresses some of the known pollutants on 6/17/2011.
TN08010211 00720- 2000	NONCONNAH CREEK	Shelby	6.2	Total Phosphorus L Low Dissolved Oxygen L Loss of biological integrity due to siltation L Physical Substrate Habitat Alterations L Escherichia coli NA	Discharges from MS4 area Land Development Channelization	Category 5. (One or more uses impaired.) TMDLs needed. EPA approved a pathogen TMDL that addresses some of the known pollutants on 6/17/2011.
TN08010211 00720- 3000	NONCONNAH CREEK	Shelby Fayette	6.5	Total Phosphorus L Physical Substrate Habitat Alterations L	Discharges from MS4 area Nonirrigated Crop Production Channelization	Category 5. (One or more uses impaired.) TMDLs needed.
TN08010211 176_1000	JOHN'S CREEK	Shelby	13.7	Total Phosphorus L Loss of biological integrity due to siltation L Other Anthropogenic Habitat Alterations L Escherichia coli NA	Discharges from MS4 area Channelization Collection System Failure	Category 5. (One or more uses impaired.) TMDLs needed. EPA approved a pathogen TMDL that addresses some of the known pollutants on 6/17/2011.

## APPENDIX A: Streams (or pollutants) on the 2014 303 (d) List for Delisting in 2016 For Reasons Related to Water Quality

Waterbody ID	2014 Impacted Waterbody	County	Miles Impacted	2014 CAUSE (Pollutant)	2014 Pollutant Source	Reason For Delisting
TN05130107 004 – 0100	HICKORY GROVE BRANCH	Warren	10.99	Riparian Alteration Siltation	Specialty Crop Production Pasture Grazing	Hickory Grove Branch was listed following a bioecon in 1997 that only documented 2 EPT families. Cause of the impacts was excessive siltation and riparian alterations. Follow-up bioecon in 2002 and 2007 also did not pass, with scores of 7. A 2014 TDEC SQSH at mile 0.8 (Yagar to Short Mountain Road) documented 10 EPT genera and 24 total genera for the very good TMI score of 38. It appears that Hickory Grove Branch has recovered and now meets criteria.
TN05130107 016 – 0740	LAUREL CREEK	Grundy	3.93	Siltation	Specialty Crop Production	Laurel Creek was identified as impaired after it was randomly selected for the Tennessee Wadeable Stream project. When a SQSH was done in 2007, the TMI score was very poor (20). The source of the impacts was an upstream large nursery operation. However the nursery has ceased operation and the stream has improved. In 2013, a bioecon documented 10 EPT families, 6 intolerant, and 16 total families for a score of 13.
TN05130107 023 – 0200	DRY CREEK	Warren Sequatchie	24.93	Aluminum Sulfates pH Manganese Iron	Abandoned Mining	In 2014, the entire length of Dry Creek was listed due to historical and current mining activities. Recent data indicate that the lower and upper sections of the stream now meet biocriteria. Thus, we are delisting the upper and lower miles. The middle section of the stream, now segment 0250, will remain listed. It is believed that reclamation of abandoned mines in the upper part of the watershed have helped restore water quality in the headwaters.
TN05130108 001 – 0100	SNOW CREEK	Smith	7.6	Siltation  Riparian Alteration	Pasture Grazing	Snow Creek was listed following a bioecon in 1998 that only documented 4 EPT families. Cause of the impacts was excessive siltation. Follow-up bioecon in 2002 and 2007 also did not pass, although scores improved. A 2013 TDEC SQSH at mile 1.4 (Horse Bend Road) documented 11 EPT genera and 24 total genera for the very good TMI score of 38. It appears that Snow Creek has recovered and now meets criteria. It is our understanding that NRCS projects have helped fence cattle out of this stream.

## APPENDIX A (continued)

Waterbody ID	2014 Impacted Waterbody	County	Miles Impacted	2014 CAUSE (Pollutant)	2014 Pollutant Source	Reason For Delisting
TN05130108 024 – 4000	ROCKY RIVER	Van Buren Warren	34.09	Manganese	Abandoned Mining	Upper Rocky River has been considered impaired for many years due to manganese and low pH originating from abandoned coal mines in the headwaters. In 2013, a TDEC SQSH at mile 24.5 (u/s Pleasant Hill Cemetery Road) documented 6 EPT genera and 29 total genera for a passing TMI score of 32. (Habitat score = 171.) There was little evidence of accumulated precipitated manganese in the substrate. In a follow-up survey in 2014 at the same location, TDEC documented 6 EPT genera and 20 total genera for the even better TMI score of 34. (Habitat score = 169). According to Mining Section biologists, manganese is no longer evident in the stream due to an Abandoned Mines Reclamation Project. Since adequate pH monitoring has not yet taken place in the stream, Rocky River will need to remain listed for that parameter.
TN05130108 027 – 0300	GARDNER CREEK	Bledsoe	3.1	Manganese	Abandoned mining	Gardner Creek was listed for fish and aquatic life impacts due to manganese discharged from an abandoned surface coal mining facility. A manganese TMDL was developed and implemented. In 2013, a TDEC SQSH at mile 1.5 (Griffith Road) documented 5 EPT genera and 30 total genera for a TMI score of 34. The habitat was excellent (176) with no evidence of the manganese deposits seen previously. Chemical sampling at the same site documented reduced manganese levels. Gardner Creek is now meeting the water quality standard for manganese.
TN05130108 033 – 0200	BEAVERDAM CREEK	Bledsoe	19.9	Riparian Alteration  Siltation	Pasture Grazing	Beaverdam Creek was 303(d) listed due to a failing biorecon that scored 5 in 2002 with only 5 EPT families. Biologists noted excessive silt and a poor riparian area. In 2013, a TDEC biorecon at the same location (mile 1.8 at Highway 101) documented 10 EPT families, 5 intolerant families and 20 total families for the passing biorecon score of 11. Silt levels are lower and habitat is much better than before. Even without a defined riffle for the biorecon, the score still passed.
TN05130108 097 – 2000	MINE LICK CREEK	Putnam	4.23	Escherichia coli	Collection System Failure	Mine Lick Creek was posted against water contact for many years due to chronic overflows from Baxter's sewage treatment plant and collection system. The system has been rehabilitated and the overflows have been controlled and in 2015 the contact advisory was lifted. Although the stream now meets water quality standards for pathogens, it will need to remain listed for total phosphorus and nitrate+nitrite.

## APPENDIX A (continued)

Waterbody ID	2014 Impacted Waterbody	County	Miles Impacted	2014 CAUSE (Pollutant)	2014 Pollutant Source	Reason For Delisting
TN05130203 010 – 0100	ROCKY FORK CREEK	Rutherford	7.4	Siltation  Riparian Alteration	Land Development	This stream was originally listed due to a biorecon that took place in 2007. The biology was poor and excessive amounts of silt were noted due to upstream construction sites which included a school. The stream was dry in 2012, but in 2013 a biorecon was conducted at mile 1.4 (Morton Road) that documented 7 EPT families, 4 intolerant families, and 20 total families for a very good biorecon score of 13. There was much less silt in 2013 due to the stabilization of the construction sites. Rocky Fork Creek now meets biological integrity criteria.
TN05130203 018 - 3000	WEST FORK STONES RIVER	Rutherford	5.1	Siltation	Discharges from MS4 area	In 2000, one of the Division's 71i probabilistic monitoring stations was located at Thompson Lane. Two SQSH surveys scoring 22 and 30 respectively were conducted, both failing scores. As a result, this segment was listed due to excessive amounts of silt. A 2006 biorecon at the slightly downstream Blanton Drive station passed, but a 2009 SQSH survey conducted by Murfreesboro's consultant did not. In 2013, a second biorecon at Blanton Drive passed. In 2014, three out of four SQSH surveys at Blanton Drive and Thompson Lane passed. Finally, in 2015, a TDEC SQSH at Blanton Drive had the almost perfect of 40 and documented 14 EPT genera and 34 total genera. The habitat score was 150. The stream is now considered to meet biointegrity standards.
TN05130203 025 –2000	CRIPPLE CREEK	Rutherford	5.4	Siltation	Pasture Grazing	In 1997, a biorecon was conducted which failed, scoring 5. As a result, this segment was listed due to excessive amounts of silt. In 2000, one of the Division's 71i probabilistic monitoring stations was located at Cranor Road. Two SQSH surveys scored 22 and 34 respectively, one score failing and the other passing. A 2013 biorecon at Cranor Road passed with a score of 13 and documented 7 EPT families, 2 intolerant families, and 21 total families. Habitat score was 142, a very good score for that area. The stream is now considered to meet standards.
TN06010102 012 – 0800	INDIAN CREEK	Sullivan	1.86	Riparian Alteration	Land Development	The lower portion of Indian Creek was listed following a 1998 biorecon which failed, scoring 5. A follow-up SQSH in 2003 also failed, but in 2007 the SQSH result was much improved, scoring 30. A 2012 TDEC SQSH at mile 1.0 (Tate Road) documented 10 EPT genera and 29 total genera for the almost perfect TMI score of 40. The stream now meets standards.

## APPENDIX A (continued)

Waterbody ID	2014 Impacted Waterbody	County	Miles Impacted	2014 CAUSE (Pollutant)	2014 Pollutant Source	Reason For Delisting
TN06010102 0231.0_0200	BIRCH BRANCH	Johnson	4.39	Threatened by Low pH	Atmospheric Deposition/Natural	Birch Branch is a high elevation trib to Beaverdam Creek in Cherokee National Forest. Although the biology is good, the pH criterion was violated in multiple observations in 2007. Atmospheric deposition was suspected, although natural rock formations cannot be ruled out. In 2012 chemical sampling, there were no violations of the pH criterion and the biology of the stream scored a 40 TMI. The stream is now being used as a first order reference stream. We consider it no longer threatened by atmospheric deposition, especially since the upwind John Sevier Power Plant has been converted to natural gas.
TN06010102 042 – 0500	CEDAR CREEK	Sullivan	11.8	Nitrate+Nitrite  Siltation  Habitat Alterations	Discharges from MS4 Area Land Development	Cedar Creek was listed following a 1998 biorecon which failed, scoring 7. Follow-up SQSH surveys in 2003 and 2007 also failed, but with scores of 28 and 30. Appeared as if conditions have improved. A 2012, two different SQSH surveys scored 34, one done by TDEC and another by a consultant for Bristol's MS4 program. The TDEC survey at mile 0.3 (Grovedale Road) documented 8 EPT genera and 25 total genera. The stream will need to remain listed for pathogens.
TN06010102 045 – 1000	FALL CREEK	Sullivan	6.25	Riparian Alteration  Siltation	Pasture Grazing	Fall Creek was originally assessed as impacted after it failed SQSH surveys in both 2004 & 2009. The stream was impacted by a large farm that has now been sold. In 2014, a TDEC SQSH station at mile 0.7 (u/s Poteet Farm, Childress Ferry Road) documented 9 EPT genera and 21 total genera for a TMI score of 34. The habitat score was also good (154). The change in landuse has improved the stream.
TN06010102 046 – 0900	TIMBERTREE BRANCH	Sullivan	1.92	Siltation  Riparian Alterations	Pasture Grazing	Timbertree Branch, which is mainly in Virginia, was originally assessed as impacted after it failed SQSH surveys in both 2004 & 2009. In 2013, a TDEC SQSH station at mile 0.1 (Bloomingdale Pike) documented 13 EPT genera and 41 total genera for the excellent TMI score of 40. The change in landuse, most likely in Virginia, has improved the stream.
TN06010107 010 - 0100	GNATTY BRANCH	Sevier	1.8	Escherichia coli	Septic Tanks	Historically, Gnatty Branch was impacted by failing septic tanks. In 2014, following a concentrated effort by Sevier County to require homes to connect to a municipal collection system, E coli levels were reduced to the point that the existing water contact advisory could be lifted. In more recent monitoring in 2015 at mile 0.1 had a geo mean of 94.3 cfu. Geo means from July and August 2014 were 117 and 23 cfu, respectively.

## APPENDIX A (continued)

Waterbody ID	2014 Impacted Waterbody	County	Miles Impacted	2014 CAUSE (Pollutant)	2014 Pollutant Source	Reason For Delisting
TN06010201 026 – 0300	HOLLYBROOK BRANCH	Blount	2.78	Ammonia	Pasture Grazing	Hollybrook Branch was originally listed for ammonia due to a couple of elevated levels noted in 2007-2008 TDEC chemical monitoring at mile 0.5 (Martin Mill Pike). In 2012, TDEC monitored again at the same locations and ammonia levels were much lower. Biologists noted that there appears to be fewer livestock in the watershed than in the past. The stream will need to remain listed for nutrients, silt, pathogens and habitat alteration.
TN06010201 026 – 2000	LITTLE RIVER	Blount	17.63	Threatened, not impaired. The specific stressor was undetermined.		This 17.63 mile section of the Little River was previously identified as “threatened” due to a documented decline in diversity at a biological station at miles 9.6. But in 2007 and 2012, TMI scores improved at this station (38 each time), so we no longer consider it threatened.
TN06010201 033 - 2000	ELLEJOY CREEK	Blount	5.37	Nitrate+Nitrite	Pasture Grazing	Ellejoy Creek was listed for NO <sub>2</sub> +NO <sub>3</sub> following 2003 chemical sampling that appeared to show it elevated. In conjunction with SQSH biological surveys in 2007 and 2012, nutrient tolerance scores were not elevated (38.1% & 33.5% respectively). Additionally, chemical sampling at mile 8.0 (d/s Davis Road) did not document elevated nutrient levels. It is now believed that habitat issues are the reason the stream continues to be impaired and it will remain listed.
TN06010201 034 - 0200	WILDWOOD BRANCH	Blount	6.26	Riparian Alteration	Pasture Grazing	In 2000, Wildwood Branch failed a biocon and was listed as impaired due to riparian alteration. In 2007, the stream failed a SQSH, but with a much better score (28). In 2012, TDEC performed a second SQSH at mile 0.1 (Andy Harris Road) which documented 10 EPT genera and 31 total genera for the almost perfect TMI score of 40. The habitat score was 130. The stream now meets biointegrity criteria, but will need to remain listed for E. coli.
TN06010201 066 – 0200	TWIN CREEK (Twin Branch in previous 303(d) List)	Knox	1.87	Riparian Alteration Siltation	Pasture Grazing Discharges from MS4 area	In 2000, Twin Creek failed a biocon and was listed as impaired due to riparian alteration and silt. In 2008, TDEC performed a SQSH 2008 TDEC SQSH at mile 2.1 (Virtue Road) which documented 8 EPT genera and 31 total genera for the good TMI score of 34. Twin Creek now meets biological criteria.
TN06010201 066 – 0500	McCALL BRANCH	Knox	1.73	Siltation	Discharges from MS4 area Streambank Modification	In 2004, McCall Branch failed a biocon and was listed as impaired due to riparian alteration. In 2007, the stream failed a SQSH, but with a better score (24). In 2012, TDEC performed a second SQSH at mile 0.2 (u/s Tipton Station Road) which documented 10 EPT genera and 27 total genera for the passing TMI score of 34. The habitat score was excellent at 141. The stream now meets biointegrity criteria.

## APPENDIX A (continued)

Waterbody ID	2014 Impacted Waterbody	County	Miles Impacted	2014 CAUSE (Pollutant)	2014 Pollutant Source	Reason For Delisting
TN06010204 001 - 1000	TELLICO RESERVOIR	Loudon Monroe	16500 ac	Mercury	Atmospheric Deposition	In 2007, mercury found to be over the trigger point of 0.3 ppm in Tellico Reservoir catfish. As a result, mercury was added as a cause to the existing precautionary advisory for catfish. In recent years, levels have been much lower and are well below the 0.3 trigger. Mercury will be removed as a cause for the existing <a href="#">advisory</a> , which will stay in place for PCBs.
TN06010204 042 – 1000	NINEMILE CREEK	Blount	17.1	Siltation	Pasture Grazing Non-irrigated Crop Production	Ninemile Creek was listed for siltation following a 1999 TDEC bioecon that scored 7. It also failed a SQWSH in 2007 with a score of 26. In 2013, a TDEC SQSH at mile 4.8 (Trigonia Road) documented 8 EPT genera and 20 total genera for the very good TMI score of 38. Additionally, a 2014 TVA bioecon at mile 11.8 (d/s Kyker Road) documented 15 EPT families, 6 intolerant, and 27 total families for a bioecon score of 15. The water quality in the stream has clearly improved. There have been a significant number of BMPs installed in this watershed.
TN06010204 043 – 1000	BAKER CREEK	Blount Loudon	9.18	Riparian Alteration	Pasture Grazing	Baker Creek was listed as impacted after it failed a TDEC bioecon in 1999. Follow-up surveys had mixed results and in 2008, the stream scored better at mile 8.9 with a TMI score of 30. In 2013, a TDEC SQSH at mile 8.9 (Hwy 95) documented 8 EPT genera and 25 total genera for the good TMI score of 36. As the biology at upstream stations has not improved enough, we split the stream and are only delisting the lower segment. Additionally, both segments will need to remain listed for E. coli. There have been a significant number of BMPs installed in this watershed.
TN06010205 COVELAKE T - 0100	BRUCE CREEK	Campbell	4.8	Manganese	Coal Mining Discharges (Permitted)	Bruce Creek was listed for fish and aquatic life impacts due to manganese being discharged from a surface coal mining facility. TVA, the site operator, installed a passive treatment facility which has effectively lowered manganese levels in the discharge. In June 2014, division staff visited Bruce Creek collected a sample and looked for manganese deposits in the stream. None were found. Bruce Creek will need to remain listed for habitat alteration but is meeting the water quality standard for manganese.

## APPENDIX A (continued)

Waterbody ID	2014 Impacted Waterbody	County	Miles Impacted	2014 CAUSE (Pollutant)	2014 Pollutant Source	Reason For Delisting
TN06010207 014 – 0100	WILLIAMS BRANCH	Knox	2.4	Siltation	Industrial Permitted Runoff	Williams Branch was originally listed following non-compliance at a quarry which was losing solids. In 2003, the stream passed a SQSH survey with a passing TMI score of 32, but since the score was borderline, the stream was not delisted. In 2014, a TDEC SQSH at mile 0.5 (Diggs Gap Road) documented 17 EPT genera and 34 total genera for the excellent TMI score of 40. The stream is much better and now meets water quality standards.
TN06010207 016 – 1000	HINDS CREEK	Anderson	6.7	Siltation  Riparian Alteration	Pasture Grazing	Hinds Creek was listed for siltation and riparian alteration following a 1999 biorecon that scored poorly (7). A follow-up SQSH in 2003 also failed with a SQSH score of 28. In 2008, Hinds Creek attained the passing score of 32. Staff biologists wanted to see the stream pass another cycle. In 2010 and 2014, TVA biorecons scored 13. Also in 2014, a TDEC SQSH at mile 0.7 (Brushy Valley Road) documented 11 EPT genera and 33 total genera for a TMI score of 36. Since the stream has passed biological tests since 2008, criteria are being met. The stream will need to remain listed for E. coli. Some NRCS BMP installation in the watershed.
TN06010207 020 – 0400	INDIAN CREEK	Roane	6.8	Siltation  Riparian Alteration	Channelization Pasture Grazing	Indian Creek was listed for siltation and riparian alteration following a 1999 biorecon that scored poorly (7). A follow-up biorecon in 2003 also failed badly with a score of 3. In 2009, a SQSH on Hinds Creek received the score of 28. In 2013, a TDEC SQSH at mile 2.4 (Ford past Archie Raby Bridge) documented 11 EPT genera and 31 total genera for the excellent TMI score of 38. There have been a number of BMPs installed in this watershed.
TN06020001 029 – 1000	SAVANNAH CREEK	Hamilton	15.0	Siltation  Riparian Alteration  Total Phosphorus	Pasture Grazing Nonirrigated Crop Production	Savannah Creek was listed following a failing SQSH score in 2009 (26). In 2013, a TDEC SQSH at mile 5.0 (Mahan Gap Road) documented 8 EPT genera and 24 total genera for a TMI score of 34. A 2014 TVA biorecon at the same spot found 12 EPT families, 4 intolerant, and 25 total families. Because the stream passed biological surveys in both 2013 & 2014, we consider water quality to have improved. Savannah Creek will need to remain listed for E. coli. There have been a number of BMPs installed in this watershed.

## APPENDIX A (continued)

Waterbody ID	2014 Impacted Waterbody	County	Miles Impacted	2014 CAUSE (Pollutant)	2014 Pollutant Source	Reason For Delisting
TN06020001 038 – 0210	COLDWATER BRANCH	Meigs	6.8	Siltation  Riparian Alteration  Total Phosphorus	Pasture Grazing	Coldwater Branch was listed following a failing biorecon score in 2008 (5). In 2014, a TDEC SQSH at mile 0.5 (Roberts Road) documented 11 EPT genera and 34 total genera for a TMI score of 38. A biorecon at the same spot scored 15. Because 38 is an excellent SQSH score and 15 is a perfect biorecon score, it appears that the biology of the stream has improved. There have been a number of BMPs installed in this watershed. Coldwater Branch will need to remain listed for E. coli.
TN06020001 041 – 2000	BIG SEWEE CREEK	Meigs McMinn	16.2	Riparian Alteration	Pasture Grazing	Big Sewee Creek was listed following a failing SQSH and biorecon score in 2009 (24 & 7, respectively). In 2013, a TDEC SQSH at mile 4.9 (Womac Hollow Road) documented 9 EPT genera and 34 total genera for a TMI score of 32. A biorecon at the same spot and time scored 13. A 2013 TVA biorecon also scored 13. Water quality appears to have improved, but the stream will need to remain listed for E. coli. There have been a number of BMPs installed in this watershed.
TN06020001 057 – 0200	ROARING CREEK	Rhea	5.3	Substrate Alteration	Channelization	Roaring Creek was listed after it was hydrologically altered in 2005 following a flood event. Additionally, the channel had been altered by the collection of alluvial stones for landscaping materials. The damage to this stream has healed itself. The 2014 biorecon demonstrated that the biological integrity has been restored. (2014 TDEC biorecon at mile 0.1 (Montague Bridge) documented 12 EPT families, 7 intolerant, and 17 total families scored 13 with a habitat score of 146. The SQSH just barely failed (30), but is not the best way to assess this stream due to habitat and riffle limitation. The stream also goes dry frequently.
TN06020001 062 – 1000	POSSUM CREEK	Hamilton Bledsoe	13.19	pH Iron Substrate Habitat Alteration	Abandoned Mining Channelization	Possum Creek was impacted by the construction of Corridor J interstate project which cause the release of pH and iron. Additionally, the stream habitat was altered. Sampling in the most recent cycle did not document elevated iron or depressed pH and habitat scores were good. However, biointegrity scores were still low. It is now believed that the previous identified pollutants from the construction project are no longer problems, but that an unknown pollutant is impacting the stream. It will remain listed, but not for pH, iron and habitat alteration.

## APPENDIX A (continued)

Waterbody ID	2014 Impacted Waterbody	County	Miles Impacted	2014 CAUSE (Pollutant)	2014 Pollutant Source	Reason For Delisting
TN06020001 717 - 1000	YELLOW CREEK	Rhea	14.9	Riparian Alteration  Siltation	Pasture Grazing Non-irrigated Row Crops	Yellow Creek was listed as impaired following 2009 biological surveys with failing scores. (The SQSH scored 22 and the biocon scored 7.) A 2013 TDEC SQSH at mile 2.5 (Old Dixie Hwy) documented 10 EPT genera and 34 total genera for a TMI score of 34. A biocon also passed with a score of 11. Water quality appears to have improved, but the stream will need to remain listed for E. coli.
TN06020001 889 – 0200	CHESTNUTT CREEK	Hamilton	8.1	Siltation	Discharges from MS4 Area	Chestnutt Creek was listed after it failed both a 2008 biocon (7) and a 2009 SQSH (28). In 2013, a 2013 TDEC SQSH at mile 0.3 (Apison Pike) documented 11 EPT genera and 35 total genera for a TMI score of 36. A biocon also passed. The stream appears to have improved.
TN06020002 005 - 1400	UNNAMED TRIB TO CANDIES CREEK	Bradley	1.14	Siltation	Undetermined Source	This stream was listed several years ago due to excessive silt from various sources in the watershed. These sources appear to have been stabilized. Staff biologists decided that due to the lack of riffles in the stream, a biocon would be a more representative biological survey as a biocon incorporates multiple habitats while a SQSH only uses riffle habitat. A 2008 TDEC biocon at mile 0.7 (8735 Eureka Road) documented 12 EPT families, 10 intolerant families, and 28 total families for a perfect biocon score of 15. The habitat score was 135.
TN06020002 014 – 0100	LITTLE SOUTH CHESTUEE CREEK	Bradley Polk	10.61	Siltation	Pasture Grazing	This stream was listed following a 2007 biocon that did poorly, scoring 5, with a habitat score of 79. Biologists noted excessive silt. Silt sources appear to have been stabilized in the years since. In 2012 TDEC performed both a SQSH and biocon at the same location as in 2007 (mile 0.7 Longley Road). Both surveys passed with much better habitat. The SQSH documented 11 EPT genera and 37 total genera for a TMI score of 32. (Habitat score = 150.) The biocon scored 13. Silt was not seen as a problem in the new survey.
TN06020002 014 – 2000	SOUTH CHESTUEE CREEK	Bradley	9.81	Total Phosphorus	Pasture Grazing	2012-2013 TDEC chemical sampling at a station at mile 13.9 (Old Parksville Road) inducted that phosphorus concentrations are low and no longer appear to be a problem. A SQSH was performed and results in a nutrient tolerant score of 36.4% NRCS has sponsored projects in this watershed; a possible reason water quality has improved for that parameter. South Chestuee Creek will need to remain listed for siltation.

## APPENDIX A (continued)

Waterbody ID	2014 Impacted Waterbody	County	Miles Impacted	2014 CAUSE (Pollutant)	2014 Pollutant Source	Reason For Delisting
TN06020002 018 – 0100	HAWKINS BRANCH	Polk	1.86	Escherichia coli	Pasture Grazing	Pathogens were elevated historically in this small stream due to the presence of a large dairy, but this operation has now closed. In 2008, TDEC monitor pathogens at a station at mile 0.3 (USFS Tree Farm). One out of 6 E. coli samples was over 941 cfu. An August-September 2012 geo mean of five E. coli observations was 49.8 cfu, well below the 126 cfu criterion.
TN06020002 087 - 1000	ROGERS CREEK	McMinn	21.6	Riparian Alteration	Pasture Grazing	This stream was originally listed after a 2003 bioecon that did poorly, scoring 7, with a habitat score of 95. It wasn't until 2013 that biologists revisited the stream. A TDEC SQSH at mile 5.1 (Sanford Road) documented 7 EPT genera and 26 total genera for a TMI score of 36. The habitat score was much better at 151. The stream will need to remain listed for pathogens.
TN06030003 044 – 0100	BETSY WILLIS CREEK	Coffee Grundy	22.5	Riparian Alteration  Siltation  Substrate Habitat Alt.	Pasture Grazing Nonirrigated Crop Production	A sand quarry/facility was the original source of the sand that impacted the habitat in this stream. Now that the sand quarry has gone out of business, several significant rain events in the last few years removed the sand and restored the habitat of the stream. Now that the habitat has improved, Betsy Willis Creek no longer violates the narrative standard. The stream will need to remain listed for pathogens.
TN06030003 044 – 0600	DRY CREEK	Grundy	13.8	Substrate Alterations	Channelization	Normally dry, Dry Creek was assessed as habitat impacted due to unpermitted channel alterations performed during a bridge and road construction project. That activity was several years ago and the site has since stabilized. The narrative habitat criterion is no longer being violated at that site.
TN06030003 044 – 0720	GILLIAM CREEK	Grundy	0.76	Ammonia  Sludge Deposits	Municipal Point Source Collection System Failure	The old Monteagle STP is located on Juanita Creek, a tributary to Gilliam Creek. (A new treatment plant has been built.) The old plant still discharges a smaller volume of effluent, but no longer has elevated ammonia concentrations and no longer loses excessive amounts of solids. The old STP continues to be a source of nutrients and the stream will remain listed for those pollutants. It will additionally remain listed for pathogens.
TN06030003 044 – 0721	JUANITA CREEK	Grundy	2.12	Ammonia  Sludge Deposits	Municipal Point Source Collection System Failure	See previous rationale for Gilliam Creek.
TN06030003 044 – 0730	TRUSSEL CREEK	Grundy	4.3	Sludge Deposits	Municipal Point Source	Trussel Creek is the new location of the second Monteagle STP. This facility has had a significant impact on the receiving stream, but one area of improvement is that the facility is no longer losing solids. It can be delisted for sludge deposits, but will need to remain listed for the other parameters.

## APPENDIX A (continued)

Waterbody ID	2014 Impacted Waterbody	County	Miles Impacted	2014 CAUSE (Pollutant)	2014 Pollutant Source	Reason For Delisting
TN06030004 017 – 2000	RICHLAND CREEK	Giles	26.7	Siltation  Escherichia coli	Collection System Failure Land Development Urbanized High Density Area Pasture Grazing	Richland Creek was originally listed due to excessive silt from stormwater runoff in the Pulaski area and elevated pathogens from overflows from the sewage collection system. In 2008, Pulaski upgraded their sewage treatment plant and rehabilitated the collection system. As a result, the pathogen criterion was met in 2012 sampling. Additionally, a 2013 TDEC SQSH at mile 18.3 (off Hwy 166 near town of Green Field) documented 12 EPT genera and 26 total genera resulting in the excellent TMI score of 36. These data document that the stream now meets quality standards.
TN06030004 026_0111	UNNAMED TRIB TO ANDERSON CREEK	Giles Lawrence	1.19	Siltation	Off-road Vehicles	Upper Anderson Creek, plus the tributaries Fanny Branch and an Unnamed Trib, were impacted by a commercial off-road vehicle site. Erosion from ATV roads, plus the direct impacts of vehicles driving through streams place a significant amount of silt into the watershed. TDEC required that the site obtain and comply with a stormwater permit. The owner did this and the following remediation of the site caused silt loads to be dramatically reduced. A 2013 TDEC SQSH in Anderson Creek just downstream of the site at mile 4.4 (Schoolhouse Hollow) documented 14 EPT genera and 24 total genera for the very good TMI score of 36 (habitat = 164). It appears that the Unnamed trib and the upper section of Anderson Creek have recovered and now meet water quality standards. Fanny Branch has not yet fully recovered and will need to remain listed for now.
TN06030004 026_0115	ANDERSON CREEK	Giles	0.54	Siltation	Off-road Vehicles	See above rationale for the Unnamed Trib.
TN06030004 029_0410	UNNAMED TRIB TO WET WEAKLEY CREEK	Lawrence	0.75	Siltation	Animal Feeding Operations  Silviculture	This stream was listed as impacted after it was documented that an unpermitted animal feeding operation was impacting the stream with elevated levels of ammonia. Additionally, an upstream logging operation deposited excessive amounts of silt into the stream. 2012-2013 TDEC chemical sampling at mile 0.1 (off Byrd Road d/s of hog waste lagoon) documented that ammonia levels are now lower, but NO2+NO3 levels are higher, indicating that the ammonia in the lagoon is being converted. We will make this change in the listing, but will consider this a pollutant clarification rather than a delisting. However, the upstream logging site has now stabilized and silt is no longer a problem in the stream, so we will delist for this pollutant only, leaving the stream listed for pathogens and NO2+NO3.

## APPENDIX A (continued)

Waterbody ID	2014 Impacted Waterbody	County	Miles Impacted	2014 CAUSE (Pollutant)	2014 Pollutant Source	Reason For Delisting
TN06040001 060 - 2000	CHAMBERS CREEK	McNairy	4.0	Dissolved Oxygen	Pasture Grazing	Chambers Creek was listed after a 2003 bioecon in which the field parameters documented a low DO level. In 2013-2014 TDEC monitored dissolved oxygen levels at mile 17.1 (D/S Berry Bottom Road). There were no violations of water quality criteria.
TN06040001 064 – 2000	HORSE CREEK	Hardin	25.8	Riparian Alteration	Pasture Grazing	Horse Creek was originally listed following a 2008 SQSH that scored a TMI of 30. A 2011 follow-up SQSH also failed. In 2013, a TDEC SQSH at mile 28.9 (u/s Cherry Chapel Road) documented 8 EPT genera and 24 total genera for a TMI score of 36. A bioecon found 9 EPT families, 3 intolerants, and 23 total families for a bioecon score of 13. Biological integrity has been restored.
TN06040001 809 – 1000	RUSHING CREEK	Decatur	45.3	Escherichia coli	Pasture Grazing	Rushing Creek was originally listed for pathogens following a 2008-2009 monitoring that documented elevated E. coli levels. In 2013, TDEC monitored Rushing Creek at mile 3.3 (Hwy 100) and at mile at mile 5.6 (Largo Road). Only one of 12 E.coli observations were over 941 cfu and the one elevated sample was during a rain event. BMPs have been installed in the watershed and may be the reason pathogen levels are lower.
TN06040003 019 – 2000	BIG BIGBY CREEK	Maury	4.6	Nitrate+Nitrite  Total Phosphorus	Municipal Point Source Pasture Grazing	Nutrients were added as a pollutant to this segment after chemical and biological monitoring at Canaan Road indicated elevated NO2+NO3 & total phosphorus from the Mt. Pleasant were impacting the biology of the stream. The sewage treatment plant is doing better and the nutrients are not impacting as long a distance downstream. A 2013 TDEC SQSH at mile 8.5 (Canaan Road) documented 9 EPT genera and 25 total genera for a TMI score of 38. The NUTOL score was 22.9%, so the biota is not being dominated by invertebrates tolerant to nutrients. The stream will need to remain listed for E. coli.
TN06040003 027 – 1000	LITTLE BIGBY CREEK	Maury	18.77	Siltation	Discharges from MS4 area  Pasture Grazing	Little Bigby Creek was listed after it failed a bioecon in 1999. It failed follow-up SQSH surveys in 2004 (22) and 2011 (18). A 2013 TDEC SQSH at mile 2.0 (Old Williamsport Road) documented 10 EPT genera and 25 total genera with a TMI score of 38. The habitat score was 146, so it appears the stream has improved. There have been a significant number of BMPs installed in this watershed.

## APPENDIX A (continued)

Waterbody ID	2014 Impacted Waterbody	County	Miles Impacted	2014 CAUSE (Pollutant)	2014 Pollutant Source	Reason For Delisting
TN06040003 034 – 3000	RUTHERFORD CREEK	Maury Williamson	12.5	Siltation Nitrate+Nitrite Total Phosphorus	Pasture Grazing  Discharge from MS4 area	The most upstream segment of Rutherford Creek was listed following biocon surveys conducted prior to 1999. In both 2014 & 2015, a consultant for the city of Spring Hill performed SQSH surveys at mile 20, a station upstream of the Spring Hill sewage treatment plant. In 2014, the consultant documented 11 EPT genera and 30 total genera for a TMI score of 38. In 2015, they documented 8 EPT genera and 33 total genera for the perfect TMI score of 42.
TN06040004 007 – 2000	GREEN RIVER	Wayne	2.65	Solids	Municipal Point Source	This segment of the Green River was found to be impaired due to inadequately treated wastewater discharges. The Waynesboro STP was losing solids and a 2011 TDEC SQSH at mile 11.7 documented 6 EPT genera and 24 total genera for a TMI score of 16. After significant improvements were made at the sewage treatment plant, in 2013, a TDEC SQSH at the same location documented 10 EPT genera and 35 total genera for a TMI score of 36. It appears that with the plant improvements, criteria are now being met in Green River.
TN06040004 025 - 0200	BOOKER HOLLOW	Lewis	1.8	Nitrate+Nitrite T. Phosphorus Low dissolved oxygen Temperature Alterations Escherichia coli	Municipal Point Source  Collection System Failure	Booker Hollow was the receiving stream for the Hohenwald STP for many years and was impacted as the result of inadequately treated wastewater and collection system problems. The discharge has now been removed from the stream. In addition to removing the source of pollutants, the elimination of the discharge has removed a source of flow. During the most recent cycle, the stream was found to be mostly dry. The stream is no longer impaired.
TN06040004 025 - 2000	ROCKHOUSE CREEK	Lewis	5.1	Total Phosphorus  Nitrate+Nitrite	Municipal Point Source	See above. Booker Hollow, the receiving stream for the Hohenwald STP, flowed into Rockhouse Creek and caused nutrient impairment. Now that the discharge has been eliminated, nutrient levels are much lower. The stream will need to remain listed for habitat alterations and pathogens.
TN06040005 050 – 2000	TRACE CREEK	Humphreys	7.33	Siltation  Physical Substrate Habitat Alterations	Land Development	Upper Trace Creek was impacted by an unpermitted channel alteration. TDEC issued an NOV and required corrective action. The stream has now recovered. In 2011, a TDEC SQSH at mile 12.0 (u/s South Clydeton) documented 13 EPT genera and 34 total genera for the almost perfect TMI score of 40. The habitat score was 140.

## APPENDIX A (continued)

Waterbody ID	2014 Impacted Waterbody	County	Miles Impacted	2014 CAUSE (Pollutant)	2014 Pollutant Source	Reason For Delisting
TN06040005 075 - 0300	LITTLE TURKEY CREEK	Humphreys	3.3	Riparian Alteration	Pasture Grazing	Little Turkey Creek was listed in the previous cycle after it failed a bioecon. When we reassessed it this cycle, it was clear that cattle had been removed and habitat had improved. A 2013 TDEC bioecon at mile 0.4 (u/s Turkey Creek Road) documented 14 EPT families, 7 intolerant, and 27 total families for the perfect bioecon score of 15. The habitat score was also very good (138). The stream has improved.
TN06040005 032 – 0720	LITTLE BEAVER CREEK	Henderson	5.84	Escherichia coli	Pasture Grazing	Little Beaver Creek was listed for E. coli after monitoring in 1999. Subsequent sampling in 2003, 2009, and 2013 did not indicate that levels were elevated. The only criteria exceedance was due to a rain event. The stream will need remain listed for FAL impacts as the biointegrity criterion is not being met.
TN08010204 014 - 0500	CANE CREEK	Henderson	17.8	Siltation	Land Development Silviculture	Once so clean it was considered as a reference stream, Cane Creek was listed due excessive silt from logging activities in the watershed. The stream went from having 11 EPT families in 1998 to only five in 2002. After the logging site stabilized, the stream rebounded with less silt and 7 EPT families documented in 2012 and an overall bioecon score of 13, a passing score that indicates good water quality. While not as good as it once was, it appears that the stream has recovered enough to meet water quality standards.
TN08010209 021_3000	BIG CREEK	Shelby Tipton	27.75	Dissolved Oxygen	Nonirrigated Crop Production  Discharges from MS4 area	This segment of Big Creek was listed after chemical sampling in 2002-2003 and 2007-2008 indicated occasional low dissolved oxygen levels. However, recent sampling by both the Shelby County MS4 program and TDEC did not document any criteria violations. Oxygen levels have improved.
TN08010210 001 – 1000	WOLF RIVER	Shelby	12.8	Lead	RCRA Hazardous Waste Site	Wolf River was listed for lead after levels that exceeded chronic criteria were documented in the 1990s. An upstream Superfund site was identified as one source. The Superfund site has been remediated and levels have been lower. Since 2008, there have been very few exceedances in sampling done by TDEC and the City of Memphis MS4 program. Wolf River will need to remain listed for multiple other pollutants.

## APPENDIX A (continued)

Waterbody ID	2014 Impacted Waterbody	County	Miles Impacted	2014 CAUSE (Pollutant)	2014 Pollutant Source	Reason for Delisting
TN08010210 004 – 0400	UNNAMED TRIB TO WOLF RIVER	Fayette	12.0	Total Phosphorus	Pasture Grazing	This stream was listed as impacted by phosphorus following chemical sampling at mile 1.1 (Highway 57) during the last cycle indicated elevated levels. Since 2010, five different SQSH surveys have been done at three different locations. In each case, NUTOL scores were low (28, 10, 8, 30 & 20%, respectively). It is now believed that excessive silt is the reasons for the fish and aquatic life impacts to this stream and enforcement case is ongoing against a large construction site. Additionally, the stream will need to remain listed for E. coli.
TN08010210 023 – 1000	FLETCHER CREEK	Shelby	10.7	Arsenic	Discharges from MS4 area	Fletcher Creek was listed in 2000 after four of ten arsenic observations were over 10 ug/L. In 2008-2009, only one out of 12 arsenic observations were over 10 ug/L. In the most recent cycle, no observations were over 10. It is now believed that whatever the original source, arsenic is no longer a problem in the stream. It will need to remain listed for the other previously assessed parameters.
TN08010210 032 - 1000	CYPRESS CREEK	Shelby	8.6	Lead	Contaminated Sediment  Discharges from MS4 area	Cypress Creek is one of the most impacted streams in Tennessee with a long history of pesticides, habitat alteration, and pathogens, but in the most recent intensive sampling, lead levels no longer exceed chronic criteria. Cypress Creek will need to remain listed for the other pollutants assigned to it.

**APPENDIX B: Streams on the 2014 303(d) List for Delisting in 2016  
For a Basis Other Than Water Quality Improvement**

<b>Waterbody ID</b>	<b>2014 Impacted Waterbody</b>	<b>County</b>	<b>Miles Impacted</b>	<b>2014 CAUSE (Pollutant)</b>	<b>2014 Pollutant Source</b>	<b>Basis For Delisting</b>
TN05130203 003T – 0100	FINCH BRANCH	Rutherford	5.7	Nutrients  Riparian Alteration	Land Development	This stream was originally listed due to a biological screening survey that took place in 2002. The fact that only a screening survey was done rather than a full bioecon suggests that the stream biology was not good. However, during the next assessment cycle, the stream was observed as dry for extended periods. In 2013, water was present and a bioecon was done, however, in the judgement of the biologist, we could not be confident that the stream had been flowing for very long. It is now believed that the previous appearance of biological impacts in this stream were the results of persistent and prolonged dryness rather than pollution. However, Finch Branch will need to remain listed for pathogens due to overflows from Metro Nashville's collection system.
TN05130203 018_7000	WEST FORK STONES RIVER	Rutherford	7.2	Low Dissolved Oxygen	Pasture Grazing	TDEC made two discoveries about this stream in the most recent monitoring cycle. The first was that the source of the low dissolved oxygen was a failed well that was discharging high sulphur water which is removing the oxygen from the stream. The second discovery was that the stream we identified as the mainstem West Fork Stones was actually a tributary. We have now assessed the tributary as impaired and the mainstem as fully supporting as it scored a 15 on 2013 bioecon.
TN06010102 041 – 0100	PAPERVILLE CREEK	Sullivan	2.54	Siltation	Land Development	This stream has two different names, but historically was assessed as a single waterbody due to its relatively small size. Upstream Sinking Creek (from Trammel Road to Bristol Golf Course) is impaired section. The downstream Paperville Creek is fully supporting and is being delisted. The upstream Sinking Creek will need to remain listed.

## APPENDIX B (continued)

Waterbody ID	2014 Impacted Waterbody	County	Miles Impacted	2014 CAUSE (Pollutant)	2014 Pollutant Source	Basis For Delisting
TN06010102 003 – 0200	UNNAMED TRIB TO HORSE CREEK	Sullivan Washington	3.8	Riparian Alteration	Pasture Grazing	This small unnamed trib was originally assessed as impacted after it failed SQSH surveys in both 2004 & 2009. However, on both occasions, habitat scores were good (168 & 153). In 2013, the stream passed a biorecon and again, had the excellent habitat score of 154. It is now believed that in this small stream, the biorecon result was more representative of in-stream conditions than was the previous SQSHs.
TN06010207 028 – 1000	CANEY CREEK	Roane	5.0	Siltation  Riparian Alteration	Pasture Grazing	Caney Creek was listed as the result of a very poorly scoring biorecon in 2003. In 2013, staff feared that the previous poor score may have been due to the effects of the impoundment. The station was moved more upstream and at mile 1.3 (off west end of Antique Lane), a biorecon documented 17 EPT genera, 9 intolerant, and 42 total genera for the good biorecon score of 13. We now think the previous survey score at the downstream site was due to embayment effects rather than pollution.
TN06010207 026 – 0600	BEAR CREEK	Anderson Roane	10.87	Escherichia coli	Undetermined	Bear Creek is within the Department of Energy's Oak Ridge Reservation and drains part of the land around the Y-12 facility. It has received numerous pollutants and is significantly impacted, but there are no known E. coli sources, other than wildlife. We find no historic data indicating pathogens in Bear Creek and the original listing was likely in error.
TN06020001 057 – 0400	HICKMAN BRANCH	Rhea	5.0	Riparian Alteration  Siltation	Pasture Grazing	Hickman Branch was listed after it failed a biorecon in 2009 (scored 7). In 2014, a TDEC biorecon at mile 0.1 (Hickman Road) documented 10 EPT families, 7 intolerant, and 22 total families for the good biorecon score of 13. The habitat score was also good (151). Due to the lack of a traditional riffle area in this stream, the biorecon is better than the SQSH for documenting biointegrity status.

## APPENDIX B (continued)

Waterbody ID	2014 Impacted Waterbody	County	Miles Impacted	2014 CAUSE (Pollutant)	2014 Pollutant Source	Basis For Delisting
TN06020001 064 – 0120	MOWBRAY CREEK	Hamilton	1.8	Unknown Toxicity	Upstream Impoundment	Mowbray Creek was listed as impacted following a 2008 bioecon (3) and a 2009 SQSH (28) that failed. The pollutant was unknown. In 2014, a TDEC SQSH at mile 1.0 (Mowbray Pike) documented 12 EPT genera and 27 total genera for a TMI score of 36. A bioecon also passed (13). It is now believed that the small size of the stream and inadequate flows may have contributed to the previous lower scores.
TN06020001 497 - 1000	UNNAMED TRIB. TO CHICKAMAUGA RESERVOIR	Hamilton	3.5	Undetermined Cause	Undetermined Source	This stream was listed as impacted following a TVA bioecon in 1999. Division staff attempted to reassess the stream in later monitoring cycles and it was almost always found to be dry. We now believe that the previous appearance of impacts was likely more as a result of periodic prolonged dryness than pollution.
TN06030003 044 – 0200	PATTON CREEK	Grundy	4.2	Riparian Alteration  Siltation	Nonirrigated Crop Production	This stream was observed on multiple occasions in 2013 and was generally dry. The stream was checked again in February 2015 and was again found to not be flowing. As February – April are generally the highest rainfall months in Tennessee, streams found dry at those times are normally considered to be wet weather conveyances unless there is other evidence to the contrary. It is now believed that the previous appearance of biological impacts in this stream were the results of persistent and prolonged dryness rather than pollution.
TN06030003 044 – 0700	CALDWELL CREEK	Grundy	14.1	Riparian Alteration	Nonirrigated Crop Production	This stream was listed following its score of 28 on a SQSH survey in 2009. The stream was revisited in 2013 and staff biologists determined that a SQSH was not appropriate in Caldwell Creek because streams in this area are naturally lacking in riffle habitat, which is required for this type of survey. Thus, staff were in error for comparing the 2009 results to biointegrity criteria. The stream should not have been listed and should now be delisted. Caldwell Creek will need to remain listed for pathogens, which continue to be excessive.

## APPENDIX B (continued)

Waterbody ID	2014 Impacted Waterbody	County	Miles Impacted	2014 CAUSE (Pollutant)	2014 Pollutant Source	Basis For Delisting
TN08010210005 - 0200	STOUT CREEK	Fayette	6.7	Low dissolved oxygen	Pasture Grazing Channelization	Stout Creek was listed for low dissolved oxygen following a 2000 bioecon. During the most recent cycle, the stream was monitored and met criteria. It is now believed that the previous instances of low DO were due to stagnant conditions caused by low flows, a natural condition. The stream will need to remain listed for habitat alterations.
TN08010210020 - 0400	MCKINNIE CREEK	Fayette Hardeman	35.1	Low DO Escherichia coli	Pasture Grazing	This stream was listed as impacted due to sampling that occurred about 15 years ago. TDEC attempted to sample this stream in 2013-2014 and it was found to be dry on most occasions (9 out of 10 observations). Additionally, in aerial photographs from 2012, the streambed was also dry. We now believe that the previous appearance of impacts was due to prolonged dryness and that there is minimal public exposure to pathogens in a dry streambed.

**APPENDIX C: 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>
<b>Fish</b>									
<i>Cyprinella caerulea</i>	Blue shiner	T	9	1 obs. 1974	8 obs. 1982-2000	03150101	No	462	57 FR 14790; April 22, 1992
<i>Cyprinella monacha</i>	Spotfin chub	T	38	17 obs. 1936- 08/1975	21 obs. 1977-2000	06010208 06010204 06010104 06010101 06010205 06010206 06040004	No	28	42 FR 45528; Sept. 9, 1977
<i>Erimystax cahni</i>	Slender chub	T	15	5 obs. 1941- 1974	10 obs. 1979-1993	06010205 06010206 05130108	No	28	42 FR 45528; Sept. 9, 1977
<i>Etheostoma boschungii</i>	Slackwater darter	T	15	5 obs. 1971- 1974	10 obs. 1976-1994	06040004 06030005 06030002	No	28	42 FR 45528; Sept. 9, 1977
<i>Etheostoma percnurum</i>	Duskytail darter	E	11	1 obs. 1947	10 obs. 1992-2000	06010201 05130104 06010201 06010204	No	502	58 FR 25763; April 27, 1993
<i>Etheostoma wapiti</i>	Boulder darter	E	11	0	11 obs. 1983-2001	06030004 06030003	No	322	53 FR 33998; Sept. 1, 1988
<i>Notropis albizonatus</i>	Palezone shiner	E	2	1 obs. 1936	1 obs. 1978	06010205	Yes*	502	58 FR 25763; April 27, 1993
<i>Noturus baileyi</i>	Smoky madtom	E	16	1 obs. 1957	15 obs. 1981-1995	06010204	No	163	49 FR 43069; Oct. 26, 1984

<i>Noturus flavipinnis</i>	Yellowfin madtom	T	11	5 obs. 1884- 1970	6 obs. 1981-1998	06010206 06010204 06010207	No	28  Or 317	42 FR 455528; 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
<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>Phoxninus 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

**Mollusca**

<i>Alasmidonta atropurpurea</i>	Cumberland elktoe	E	19	0	19 obs. 1978-2000	05130104 05130107	No	602	62 FR 1657; Jan. 10, 1997
<i>Alasmidonta raveneliana</i>	Appalachian elktoe	E	1	0	1 obs. 1992	06010108	Yes*	563	59 FR 60334; Nov. 23, 1994
<i>Cyprogenia stegaria (irrorata)</i>	Eastern fanshell pearlymussel	E	30	4 obs 1936- 1974	26 obs 1978-1999	05130108 06010205 06020001 06040001	No	391	55 FR 25595; June 21, 1990
<i>Dromus dromas</i>	Dromedary pearlymussel	E	71	32 obs 1899- 1964	39 obs 1975-1999	05130108 05130201 06010205 06010206 06020001	No	15	41 FR 24064; June 14, 1976
<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 metastriata</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
<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
<i>Quadrula cylindrica strigillata</i>	Rough rabbitfoot	E	24	1 obs 1960	23 obs 1975-1999	06010205 06010206	No	602	62 FR 1657; Jan. 10, 1997
<i>Quadrula intermedia</i>	Cumberland monkeyface pearlymussel	E	45	15 obs 1900-1973	30 obs 1975-2001	06010206 06030003 06040002	No	15	41 FR 24064; June 14, 1976
<i>Quadrula sparsa</i>	Appalachian monkeyface pearlymussel	E	11	2 obs 1958-1964	9 obs 1976-1998	05130201 06010206	No	15	41 FR 24064; June 14, 1976

<i>Toxolasma cylindrellus</i>	Pale lilliput pearlymussel	E	13	10 obs 1886-1970	3 obs 1982-1995	06030002 06040002 06040003	Yes*	15	41 FR 24064; June 14, 1976
<i>Villosa perpurpurea</i>	Purple bean	E	10	3 obs 1913-1970	7 obs 1985-2000	06010104 06010208	No	602	62 FR 1657; Jan. 10, 1997
<i>Villosa trabalis</i>	Cumberland bean pearlymussel	E	17	4 obs 1913-1939	13 obs 1980-2000	05130104 05130108 06010104 06010208 06020002	No	15	41 FR 24064; June 14, 1976
<b>Snails</b>									
<i>Athearnia anthonyi</i>	Anthony's River Snail	E	14	6 obs 1941-1965	8 obs 1975-1994	06010201 06010205 06020004 06030001	No	538	59 FR 17998; April 15, 1994
<i>Pyrgulopsis (Marstonia) 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

