

Draft Version

YEAR 2016

303(d) LIST

July, 2016



**TENNESSEE DEPARTMENT OF ENVIRONMENT
AND CONSERVATION**

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GUIDANCE FOR UNDERSTANDING AND INTERPRETING THE DRAFT 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. 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 2016 303(d) List ~~will update and when finalized,~~ will replace the ~~previous one published in~~ 2014 version.

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.

Videoconferencing of the August 31, 2016 303(d) Public Meeting.

~~On August 31, public meetings were held simultaneously in regional offices across the state with the department's teleconferencing equipment. Members of the public in each part of the state were able to participate remotely, saving travel time and expense for both the public and departmental staff.~~

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>.](http://www.tn.gov/environment/article/wr-wq-water-quality-reports-publications)

Use of EPA's Recovery Potential Tool (RPT) in Planning Watershed Monitoring.

~~For the first time,~~ 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 all 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 would not be helpful. 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, ~~including the area directly impacted by the Kingston ash spill,~~ were proposed as Category 4b. These are cases where for on specific streams, traditional approaches such as permitting or enforcement would lead to water quality standards being met in the short-term and a TMDL would not be helpful. 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 in the case of substances with narrative criteria (criteria based on verbal which may contain "free from" statements.), data were~~ Often in the case of narrative criteria, data are compared to appropriate ecoregion reference streams. ~~data from the appropriate sub-ecoregion.~~

Details of the monitoring design and assessment process are provided in TDEC's *Quality Assurance Project Plan (QAPP) for 106 Monitoring in the Division of Water 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 ~~of from the other agencies who that~~ 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 ~~ruled-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 ~~was~~ utilized as a primary source of water quality data.

Additionally, the Tennessee Valley Authority, the U.S. Army Corps of Engineers, and the U.S Geological Survey were contacted ~~surveyed~~ 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. Each watershed will be examined on a five-year cycle as illustrated by the map on the next page.

A typical cycle will generally include:

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

Year 2 Collect water quality data.

Year 3 Collect water quality data.

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

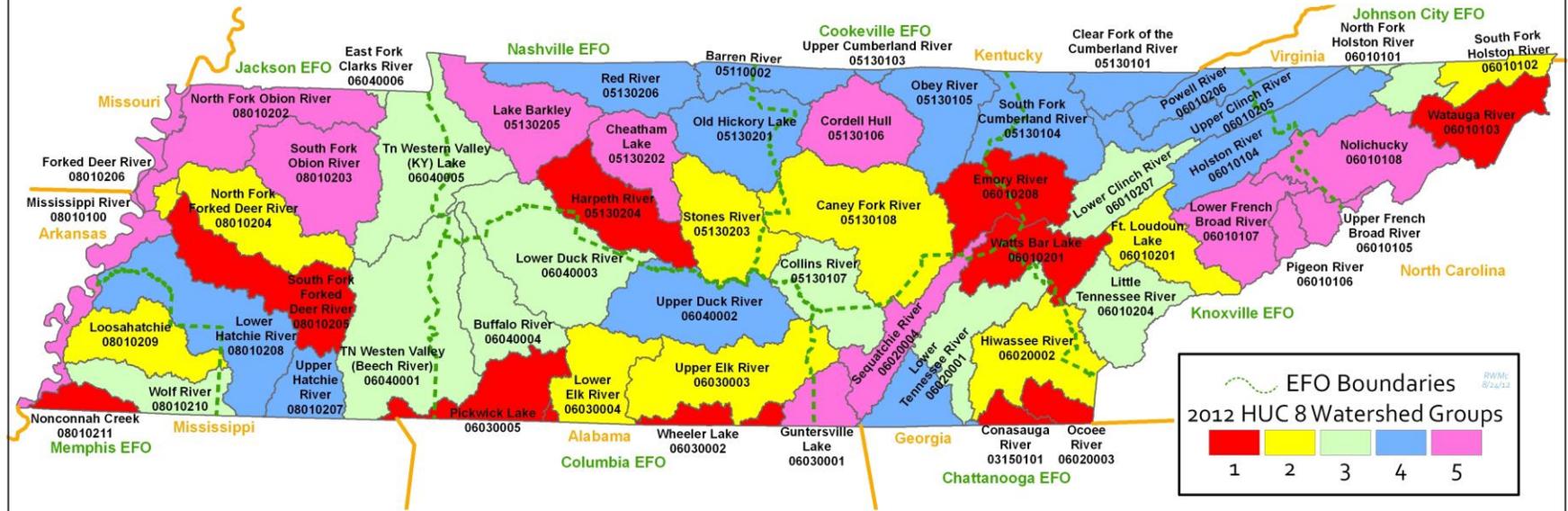
Year 5 Publish a watershed plan, which includes the proposed actions to be taken to insure that water quality standards will be met. Issue draft NPDES permits and hold public hearings.

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

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



Tennessee Watershed Management 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 Are the TMDLs Prioritized?

Tennessee's TMDL prioritization schedule was based on a 1998 agreement between EPA and the Department. The Department committed to a schedule for TMDL development for 303(d) listed streams by the year 2011. The Department fulfilled this commitment in 2009. For its part, EPA committed to provide better guidance and new tools for TMDL generation.

~~A few years later, the same schedule was formalized by being included as part of a Consent Decree between EPA and environmental groups. In 2009, the department fulfilled its requirements under the Consent Decree. The Division has decided to base its TMDL priority for each body of water on the 303(d) List based on the spirit of the agreement previously reached with EPA.~~

How Can Citizens Participate in this Process?

The Division accepted public comments until August 29, 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. The meeting was held in Nashville, but citizens were able to teleconference videoconference at field office locations. The list of these meetings appeared 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
Middle Tennessee	August <u>31</u> , 201 <u>6</u>	Nashville Room 3 rd Floor, Tennessee Tower 312 Rosa L. Parks Ave, Nashville	1:00 pm
Southern Middle Tennessee	August <u>31</u> , 201 <u>6</u>	Columbia EFO * Main Conference Room 1421 Hampshire Pike, Columbia	1:00 pm
Eastern Middle Tennessee	August <u>31</u> , 201 <u>6</u>	Cookeville EFO Main Conference Room 1221 South Willow Avenue, Cookeville	1:00 pm
West Tennessee	August <u>31</u> , 201 <u>6</u>	Jackson EFO * Main Conference Room 1625 Hollywood Drive, Jackson	1:00 pm
Southwestern Tennessee	August <u>31</u> , 201 <u>6</u>	Memphis EFO * Conference Room 8383 Wolf Lake Drive, Bartlett	1:00 pm
East Tennessee	August <u>31</u> , 201 <u>6</u>	Knoxville EFO * Main Conference Room 3711 Middlebrook Pike, Knoxville	2:00 pm
Southeastern Tennessee	August <u>31</u> , 201 <u>6</u>	Chattanooga EFO * Suite 550, 5th Floor 540 McCallie Ave. Suite 206, Main Conference Room <u>1301 Riverfront Pkwy.</u> , Chattanooga	2:00 pm
Northeastern Tennessee	August <u>31</u> , 201 <u>6</u>	Johnson City EFO * Main Conference Room 2305 Silverdale Road, Johnson City	2:00 pm

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

Key to 303(d) List

WATERBODY ID	<p>In 1988, the Division divided the state's waters into "waterbodies" and created a database of information about each. Each waterbody has an ID based on EPA's River Reach System. The first eight digits of the ID (after TN) are the USGS HUC Code number. The next three or four digits are the reach number assigned to the stream by EPA. The last four digits is the segment number assigned to each stream section for the Assessment Database (ADB). There is also a GIS coverage for listed streams.</p> <p>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.</p>
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	If the stream is considered impaired (not meeting water quality standards), the number of impacted miles or acres (according to Reachfile 3) is shown in this column. Lake acres are noted <u>abbreviated</u> 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.)

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 studied in the next two years. The TMDL will be produced in the next two years.
MEDIUM (M)	Tools are available to produce the TMDL, but the stream is not in a watershed being studied in the next two years. TMDL will be produced in the next five years.
LOW (L)	Tools are not currently available to produce the TMDL and the stream is not in the watershed being studied in the next two years. <u>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. TMDL will be produced in the next twelve years.</u>
NOT APPLICABLE (NA)	<p>4a - A TMDL has already been completed, submitted to EPA, and approved by EPA.</p> <p>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.</p> <p>4c – The impact to the stream is not being caused by a pollutant.</p>

Draft Version - YEAR 2016 303(d) LIST FOR THE STATE OF TENNESSEE

Barren River Watershed

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

Waterbody ID	Impacted Waterbody	County	Miles/Acres Impaired	CAUSE / TMDL Priority	Pollutant Source	COMMENTS
TN05110002 008 – 0550	UNNAMED TRIB TO WEST FORK DRAKES CREEK	Sumner	2.7	Flow Alterations NA	Upstream Impoundment	Randomly selected for Impounded Streams Survey. Category 4c. (Impairment not caused by a pollutant.)
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.) However, EPA approved a pathogen TMDL which addresses some of the known pollutants.
TN05110002 009 – 0200	UNNAMED TRIB TO MIDDLE FORK DRAKES CREEK	Sumner	3.7	Low Dissolved Oxygen L Hydrogen Sulfide L	Petroleum/Natural Gas Activities	Attempts to plug this abandoned well have not been successful. A TMDL would not help this situation.
TN05110002 010 – 0300	DAVIS BRANCH	Sumner Macon	1.6	Flow Alterations NA	Upstream Impoundment	Impounded Streams Survey. Category 4C. (Impairment nor caused by a pollutant.)
TN05110002 010 – 0550	LITTLE TRAMMEL CREEK	Sumner	2.82	Nitrate+Nitrite L Total Phosphorus L	Municipal Point Source	Stream is Category 5. (One or more uses impaired.)
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.) EPA approved a pathogen TMDL that addresses some of the known pollutants.
TN05110002 027 – 0435	WHITE OAK CREEK	Macon	3.41	Alteration in stream-side or littoral vegetation M Nitrate+Nitrite L Total Phosphorus L Escherichia coli H	Municipal Point Source Urbanized High Density Area	Stream is Category 5. (One or more uses impaired.)
TN05110002 031 – 0250	LITTLE TRACE CREEK	Clay	7.86	Flow Alterations NA	Upstream Impoundment	Impounded Streams Survey. Category 4C. (Impairment nor caused by a pollutant.)
TN05110002 CTYLKPO_1 000	CITY LAKE PORTLAND	Sumner	34 ac	Loss of biological integrity due to siltation M Low dissolved oxygen L Nutrients L Taste & odor L	Urbanized High Density Area Animal Feeding Area	Stream is Category 5. (One or more uses impaired.)
TN05110002 CITYLKW_1 000	CITY LAKE WESTMORELAND	Sumner	11.0 ac	Nutrients L Low dissolved oxygen L Taste & odor L	Pastureland Urbanized High Density Area	Stream is Category 5. (One or more uses impaired.)

Upper Cumberland Basin

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

Waterbody ID	Impacted Waterbody	County	Miles/Acres Impaired	CAUSE/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.
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.
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	Haul roads are a silt source in this watershed. Category 4a. EPA approved siltation and pathogen TMDLs that address the known pollutants.
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.
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.
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.
TN05130101 046 – 0200	BENNETTS FORK	Claiborne	11.0	Loss of biological integrity due to siltation NA	Coal Mining Discharges Abandoned Mining Highway/Road/ Bridge Runoff	Haul roads are a silt source in this area. Category 4a. EPA approved a siltation TMDL that addresses the known pollutant.
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.
TN05130101 091 – 0123	DAN BRANCH	Campbell	1.56	Loss of biological integrity due to siltation L	Coal Mining Discharges	Category 5.
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.
TN05130101 091 – 1000	ELK CREEK	Campbell	6.44	Loss of biological integrity due to siltation Alteration of stream-side or littoral vegetation Escherichia coli NA NA	Abandoned Mining Septic Tanks	Category 4a. EPA approved siltation/habitat alteration and pathogen TMDLs that address the known pollutants. Stream provides habitat for a federally listed fish, blackside dace (<i>Phoxinus cumberlandensis</i>).
TN05130104 010 – 1000	ROCK CREEK	Pickett	17.4	pH H	Undetermined Source	Former reference stream in Pickett State Park. pH source not determined. Category 5

Draft 2016 303(d) LIST -(Upper Cumberland Basin continued)

Waterbody ID	Impacted Waterbody	County	Miles/Acres Impaired	CAUSE / TMDL Priority	Pollutant Source	COMMENTS
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.
TN05130104 037 – 1611	UNNAMED TRIB TO JOE BRANCH	Anderson	0.44	pH H	Abandoned Mining	Category 5. (One or more uses impaired.)
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.
TN05130104 048 – 0200	NORTH FORK PINE CREEK	Scott	1.5	Escherichia coli NA	Septic Tanks	Water contact advisory. Category 4a. EPA approved a pathogen TMDL that addresses the known pollutant.
TN05130104 048 - 0300	LITTON FORK PINE CREEK	Scott	2.5	Escherichia coli NA	Collection System Failure Septic Tanks	Water contact advisory. Category 4a. EPA approved a pathogen TMDL that addresses the known pollutant.
TN05130104 048 - 0400	EAST FORK PINE CREEK	Scott	2.8	Escherichia coli NA	Collection System Failure Septic Tanks	Water contact advisory. Category 4a. EPA approved a pathogen TMDL that addresses the known pollutant.
TN05130104 048 - 0410	UNNAMED TRIB TO EAST FORK PINE CREEK	Scott	2.4	Escherichia coli NA	Collection System Failure Septic Tanks	Water contact advisory. Category 4a. EPA approved a pathogen TMDL that addresses the known pollutant.
TN05130104 048 - 0500	SOUTH FORK PINE CREEK	Scott	1.7	Escherichia coli NA	Collection System Failure Septic Tanks	Water contact advisory. Category 4a. EPA approved a pathogen TMDL that addresses the known pollutant.
TN05130104 048 - 1000	PINE CREEK	Scott	3.2	Escherichia coli NA	Municipal Point Source Collection System Failure	Water contact advisory. Category 4a. EPA approved a pathogen TMDL that addresses the known pollutant.
TN05130104 048 - 2000	PINE CREEK	Scott	4.1	Nitrate+nitrite Loss of biological integrity due to siltation Low dissolved oxygen Alteration in stream-side or littoral vegetation Escherichia coli L NA L NA NA	Municipal Point Source Collection System Failure Septic Tanks Channelization	Water contact advisory. Category 5. EPA approved pathogen and siltation TMDLs that address some of the known pollutants.

Draft 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 Contaminated sediments	Water contact advisory. Category 5. EPA approved pathogen and siltation TMDLs that address some of the known pollutants.
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.
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.

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	OBHEY RIVER	Clay	6.8	Low dissolved oxygen L Habitat loss due to stream flow alteration NA	Upstream Impoundment	Impacted by poor quality Dale Hollow Reservoir releases. Stream is Category 5 overall (one or more uses impaired), but flow alteration is 4c (impact not caused by a pollutant).
TN05130105 015 – 0300	CUB CREEK	Overton	7.2	Manganese NA Iron NA pH NA	Abandoned Mining	Category 4a. EPA approved a TMDL that addresses the known pollutants.
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. EPA approved a pathogen TMDL that addresses some of the known pollutants.
TN05130105 019 – 0710	LITTLE PINEY CREEK	Putnam	3.01	Flow Alteration NA	Upstream Impoundment	State threatened Obey crayfish found in this stream. Category 4C. (Impairment not caused by a pollutant).

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

Waterbody ID	Impacted Waterbody	County	Miles/Acres Impaired	CAUSE / TMDL Priority	Pollutant Source	COMMENTS
TN05130105 019 – 0721	LOOPER BRANCH	Overton	1.23	Flow Alteration NA	Upstream Impoundment	Stream randomly selected for the Impounded Streams Study. Category 4C. (Impairment not caused by a pollutant.)
TN05130105 019 – 0800	CHARLIE BRANCH	Overton	0.69	Flow Alteration Iron pH Manganese NA L L L	Upstream Impoundment	Stream randomly selected for the Impounded Streams Study. Category 5. Flow alteration is Category 4C, impairment not caused by a pollutant.
TN05130105 019 – 0900	MEADOW CREEK	Putnam Cumberland	19.0	pH Loss of biological integrity due to siltation H L	Abandoned Mining	Stream is Category 5. (One or more uses impaired.)
TN05130105 019 – 0950	MEADOW CREEK	Cumberland	1.4	Low DO M	Industrial Permitted Runoff	Stream is Category 5. (One or more uses impaired.)
TN05130105 019 – 1300	BIG LAUREL CREEK	Fentress Overton	9.2	Iron pH NA NA	Abandoned Mining	Category 4a. EPA approved iron and pH TMDLs that address the known pollutants.
TN05130105 019 – 1310	LITTLE LAUREL CREEK	Fentress Overton	3.6	Iron Manganese pH NA H NA	Abandoned Mining	Category 4a. EPA approved iron and pH TMDLs that address the known pollutants.
TN05130105 019 – 1400	BIG PINEY CREEK	Fentress Overton	18.6	pH Loss of biological integrity due to siltation NA L	Abandoned Mining	Category 5. EPA approved a pH TMDL that addresses some of the known pollutants.
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. EPA approved pH, iron, and manganese TMDLs that address some of the known pollutants.
TN05130105 019 – 3000	EAST FORK OBEY RIVER	Putnam Overton	11.1	Iron Manganese pH Loss of biological integrity due to siltation NA NA NA M	Abandoned Mining	Category 5. EPA approved pH, iron, and manganese TMDLs that address some of the known pollutants.
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	Byrdstown area. Category 5. EPA approved a pathogen TMDL that addresses some of the known pollutants.

Cordell Hull Watershed

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

Waterbody ID	Impacted Waterbody	County	Miles/Acres Impaired	CAUSE / TMDL Priority	Pollutant Source	COMMENTS
TN05130106 007-0500 & 0550	FLAT CREEK	Overton	23.6	Escherichia coli NA	Pasture Grazing	Category 4a. EPA approved a pathogen TMDL that addresses the known pollutant.
TN05130106 007-0700	CARR CREEK	Overton	4.5	Low dissolved oxygen L	Upstream Impoundment	Stream is Category 5. (One or more uses impaired.)
TN05130106 007-0710	TOWN CREEK	Overton	6.2	Total Phosphorus L Nitrate+Nitrite L Low dissolved oxygen L Escherichia coli NA	Collection System Failure Urbanized High Density Area	Category 5. EPA approved a TMDL that addresses some of the known pollutants.
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.
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.
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).

Waterbody ID	Impacted Waterbody	County	Miles/Acres Impaired	CAUSE / TMDL Priority	Pollutant Source	COMMENTS
TN05130107 002 – 1000	MOUNTAIN CREEK	Warren Cannon	6.92	Loss of biological integrity due to siltation NA Nitrate+Nitrite L	Specialty Crop Production	Category 5. EPA approved a siltation TMDL that addresses some of known pollutants. This segment is covered by the existing HUC-12 based siltation/habitat alterations TMDL approved by EPA on 2/13/2003.
TN05130107 002 – 2000	MOUNTAIN CREEK	Warren Cannon	17.37	Alteration in stream-side or littoral vegetative cover NA Nitrate+Nitrite L	Pasture Grazing	Category 5. This segment is covered by the existing HUC-12 based siltation/habitat alterations TMDL approved by EPA on 2/13/2003.
TN05130107 004 – 0100	HICKORY GROVE BRANCH	Warren	10.99	Alteration in stream-side or littoral vegetative cover NA Loss of biological integrity due to siltation NA	Specialty Crop Production Pasture Grazing	Category 4A. Impaired, but EPA approved siltation/habitat alteration TMDLs that address the known pollutants.
TN05130107 006 – 0700	OAKLAND BRANCH	Warren	6.3	Alteration in stream-side or littoral vegetative cover NA Loss of biological integrity	Land Development Discharges from MS4 area Upstream Impoundment	Category 4a. Impaired, but EPA approved siltation/habitat alteration TMDLs that address

				due to siltation Flow Alteration	NA NA		the known pollutants. Flow alteration is 4c (impacts not caused by a pollutant.)
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Draft Version 2016 303(d) LIST (Collins River Basin [continued](#))

Waterbody ID	Impacted Waterbody	County	Miles/Acres Impaired	CAUSE / TMDL Priority	Pollutant Source	COMMENTS
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. 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. 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. TMDL needed.
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 HM	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. (Impacts not caused by pollutant.)
TN05130107 016_0740	LAUREL CREEK	Grundy	3.93	Loss of biological integrity due to siltation L	Specialty Crop Production	Category 5. TMDL needed.
TN05130107 016_0800	TAYLOR CREEK	Grundy Warren	12.5	Alteration in stream-side or littoral vegetative cover L	Specialty Crop Production	Category 5. TMDL needed.
TN05130107 016 – 2000	COLLINS RIVER	Grundy	5.8	Iron M Manganese M pH M	Abandoned Mining	Stream is Category 5. (One or more uses impaired.) TMDLs needed.
TN05130107 023 – 0200	DRY CREEK	Warren Sequatchie	34.25 12.74	Aluminum M Sulfates M pH M Manganese M Iron M	Abandoned Mining	Stream is Category 5. (One or more uses impaired.) TMDLs needed.
TN05130107 023 – 0230	HE CREEK	Sequatchie	1.45	pH M Manganese M Iron M	Coal Mining Permitted Discharge Abandoned Mining	Stream is Category 5. (One or more uses impaired.) TMDLs needed.
TN05130107 023 – 0231	LITTLE HE CREEK	Sequatchie	1.98	pH M Manganese M Iron M	Coal Mining Permitted Discharge Abandoned Mining	Stream is Category 5. (One or more uses impaired.) TMDLs needed.
TN05130107 023 – 0232	BIG HE CREEK	Sequatchie	2.95	pH M Manganese M	Coal Mining Permitted Discharge Abandoned Mining	Stream is Category 5. (One or more uses impaired.) TMDLs

				Iron	M		needed.
TN05130107 023 0250	DRY CREEK	Warren Sequatchie	6.34	Aluminum	M	Abandoned Mining	Stream is Category 5. (One or more uses impaired.) TMDLs needed.
				Sulfates	M		
				pH	M		
				Manganese	M		
				Iron	M		

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 – 0100	SNOW CREEK	Smith	7.6	Loss of biological integrity due to siltation NA Alteration in stream-side or littoral vegetative cover NA	Pasture Grazing	Stream is Category 4a, one or more uses impaired. EPA has approved siltation and habitat alteration TMDLs that address the known pollutants.
TN05130108 001 – 0200	FERGUSON BRANCH	Smith	5.8	Alteration in stream-side or littoral vegetative cover NA	Pasture Grazing	Category 4a. EPA has approved a habitat alteration TMDL that addresses the known pollutants.
TN05130108 002 – 0200	GOOSE CREEK	Smith DeKalb Wilson	3.14	Alteration in stream-side or littoral vegetative cover NA Loss of biological integrity due to siltation NA	Dredge (Gravel) Mining Pasture Grazing	Category 4a. EPA approved siltation/habitat alteration TMDLs that address the known pollutants. This segment is covered by the existing HUC-12 based siltation/habitat alteration TMDL approved by EPA on 10/17/2005.
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 M Phosphorus M Escherichia coli NA	Municipal Point Source Pasture Grazing	Stream is Category 5. (One or more uses impaired.) EPA has approved habitat alteration and pathogen TMDLs that address some of the known pollutants. Additional TMDLs needed.
TN05130108 004 – 0110	DRIVERS BRANCH	DeKalb	2.79	Loss of biological integrity due to siltation L	Hwy/Road/Bridge Construction	Stream is Category 5. (One or more uses impaired.) 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, but flow alteration is 4c (impact not caused by a pollutant). Provides habitat for listed mussels: Oyster mussel (E. capsaeformis), Cumberland combshell (E. brevidens), Pink mucket pearly

						mussel (<u>Lampsilis abrupta</u>), Dromedary pearly mussel (<u>Dromus dromus</u>), Fanshell (<u>Cyprogenia stegarias</u>), Clubshell (<u>Pleurobema clava</u>), Cumberland bean (<u>Villosa trabalis</u>).
TN05130108 024 – 1000	ROCKY RIVER	Van Buren Warren	8.7	Loss of biological integrity due to siltation NA	Dredge Mining	Stream is Category 4a. EPA approved a siltation TMDL that addresses the known pollutant.

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Waterbody ID	Impacted Waterbody	County	Miles/Acres Impaired	CAUSE / TMDL Priority	Pollutant Source	COMMENTS
TN05130108 024 – 4000	ROCKY RIVER	Van Buren Warren	17.0	pH Manganese NA NA	Abandoned Mining	Category 4a. EPA approved pH and manganese TMDLs that address the known pollutants. Rocky River provides habitat for the federally listed fish, slender chub (<u>Erimystax cahni</u>).
TN05130108 025 – 0200	CLIFF CREEK	White	4.7	Escherichia coli H	Pasture Grazing	Category 5. Needs TMDL.
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. EPA approved a habitat alteration TMDL that addresses some of the known pollutants.
TN05130108 025 – 1000	CANEY FORK RIVER	DeKalb White	1.4	Habitat loss due to stream flow alteration NA	Upstream Impoundment	Category 4c. Impacts not caused by a pollutant. Section of Caney Fork de-watered by Great Falls Reservoir.
TN05130108 027 – 0300	GARDNER CREEK	Bledsoe	3.1	Manganese NA	Abandoned mining	Category 4a. EPA approved a manganese TMDL that addresses the known pollutant.
TN05130108 027 – 0600	FALL CREEK	Van Buren	0.5	Flow alteration Iron Physical substrate habitat alterations NA L L	Upstream Impoundment	Category 5, but flow alteration is 4c (impact not caused by a pollutant). Iron precipitated out of lake coats substrate and causes orange waterfall.
TN05130108 027 – 0750	PINEY CREEK	Van Buren	12.28	Iron pH Physical substrate habitat alterations NA NA L	Abandoned Mining	Category 5. EPA approved pH and iron TMDLs that address some of the known pollutants.
TN05130108 027 – 0850	DRY FORK	Van Buren	16.7	Iron pH NA NA	Abandoned Mining	Stream is Category 5. EPA approved pH and iron TMDLs

				Physical substrate habitat alterations L		that address some of the known pollutants.
TN05130108 033 – 0200	BEAVERDAM CREEK	Bledsoe	19.9	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.
TN05130108 033 – 0300	TAFT CREEK	Bledsoe	2.0	Aluminum L Nitrate+Nitrite M Total Phosphorus M Escherichia coli H	Municipal Point Source Pasture Grazing	Taft Youth Center is the point source. Category 5. TMDLs needed.

Draft Version 2016 303(d) LIST (Caney Fork River Basin continued)

Waterbody ID	Impacted Waterbody	County	Miles/Acres Impaired	CAUSE / TMDL Priority	Pollutant Source	COMMENTS
TN05130108 033 – 0410	MILL CREEK	Bledsoe	1.95	Low dissolved oxygen L Alteration in stream-side or littoral vegetative cover NA	Pasture Grazing	Category 5. <u>EPA has approved a habitat alteration TMDL that addresses some of the known pollutants. This segment is covered by the existing HUC-12 based siltation/habitat alteration TMDL approved by EPA on 10/17/2005. Additional TMDL needed.</u>
TN05130108 033 – 0420	BRADDEN CREEK	Bledsoe	10.73	Low dissolved oxygen L Alteration in stream-side or littoral vegetative cover NA <u>Escherichia coli H</u>	Pasture Grazing	Category 5. EPA has approved a habitat alteration TMDL that addresses some of the known pollutants. <u>Additional TMDLs needed.</u>
TN05130108 033 – 2000	BEE CREEK	Bledsoe Cumberland	0.57	Aluminum Nitrate+Nitrite L Total Phosphorus L Escherichia coli H	Municipal Point Source	Taft Youth Center. Category 5. TMDL needed.
TN05130108 033 – 3000	BEE CREEK	Bledsoe Cumberland	16.1	Loss of biological integrity due to siltation NA Alteration in stream-side or littoral vegetative cover NA	Pasture Grazing	Category 4a. One or more uses impaired but EPA has approved siltation/habitat alteration TMDLs that address known pollutants.
TN05130108 036 – 0100	CLIFTY CREEK	White	21.4	pH NA Iron NA Manganese - HL	Abandoned Mining	Category 5. EPA approved pH and iron TMDLs that address some of the known pollutants. <u>Additional TMDL needed.</u>
TN05130108 036 – 0600	DUNCAN CREEK	Cumberland	3.58	Low Dissolved Oxygen L Iron -HL	Upstream Impoundment	Stream is Category 5. TMDLs needed.

				Manganese	NA		
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 has approved a habitat alteration TMDL that addresses some of the known pollutants. This segment is covered by the existing HUC-12 based siltation/habitat alteration TMDL approved by EPA on 10/17/2005.
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.
TN05130108 036 – 1100	PUNCHEONCAMP CREEK	Cumberland	12.8	pH	NA	Abandoned Mining	Category 4a. EPA approved a pH TMDL that addresses the known pollutant.
TN05130108 043 – 0100	CHERRY CREEK	White	11.7	Loss of biological integrity due to siltation Escherichia coli	NA H	Pasture Grazing	Category 5. EPA has approved a habitat alteration TMDL that addresses some of the known pollutants. This segment is covered by the existing HUC-12 based siltation/habitat alteration TMDL approved by EPA on 10/17/2005. Additional TMDL needed.
TN05130108 043 – 0500	BLUE SPRING CREEK	White	10.1	Loss of biological integrity due to siltation	NA	Pasture Grazing	Category 4a. EPA has approved a habitat alteration TMDL that addresses some of the known pollutants. This segment is covered by the existing HUC-12 based siltation/habitat alteration TMDL approved by EPA on 10/17/2005.
TN05130108 043 – 0600	WILDCAT CREEK	White	8.1	Loss of biological integrity due to siltation	NA	Pasture Grazing	Category 4a. EPA has approved a habitat alteration TMDL that addresses some of the known pollutants. This segment is covered by the existing HUC-12 based siltation/habitat alteration TMDL approved by EPA on 10/17/2005.

Waterbody ID	Impacted Waterbody	County	Miles/Acres Impaired	CAUSE / TMDL Priority	Pollutant Source	COMMENTS
TN05130108 043 – 4000	CALFKILLER RIVER	Putnam	4.45	Escherichia coli H	Collection System Failure	Category 5. TMDL needed.
TN05130108 045 – 0100	CANE CREEK	Putnam	19.1	Alteration in stream-side or littoral vegetative cover NA Loss of biological integrity due to siltation NA	Discharges from MS4 Area Pasture Grazing	Category 4a. One or more uses impaired but EPA approved siltation and habitat alteration TMDLs that address the known pollutant.
TN05130108 045 – 0150	CANE CREEK	Putnam	12.0	Alteration in stream-side or littoral vegetative cover NA Loss of biological integrity due to siltation NA	Discharges from MS4 Area Pasture Grazing Unrestricted Cattle Access	Category 4a. One or more uses impaired but EPA approved siltation and habitat alteration TMDLs that address the known pollutants.
TN05130108 045 – 0300	HUDGENS CREEK	Putnam	6.7	Alteration in stream-side or littoral vegetative cover NA Loss of biological integrity due to siltation NA Escherichia coli NA	Discharges from MS4 Area Pasture Grazing	Category 4a. One or more uses impaired but EPA approved pathogen, siltation, and habitat alteration TMDLs that addresses the known pollutants.
TN05130108 045 – 0400	PIGEON ROOST CREEK	Putnam	2.4	Nitrate+Nitrite M Total Phosphorus M Physical substrate habitat alteration NA Escherichia coli NA	Municipal Point Source Discharges from MS4 Area Channelization	Category 5. EPA approved pathogen and habitat alteration TMDLs that address some of the known pollutants.
TN05130108 045 – 0450	PIGEON ROOST CREEK	Putnam	3.2	Nitrate+Nitrite M Total Phosphorus M Physical substrate habitat alteration NA Escherichia coli NA	Discharges from MS4 Area Channelization	Category 5. Impaired, but EPA approved habitat alteration and pathogen TMDLs that address some of the known pollutants.
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. One or more uses impaired but EPA has approved siltation and habitat alteration TMDLs that address the known pollutants.
TN05130108 045 – 1000	FALLING WATER RIVER	Putnam White	8.8	Nitrate+Nitrite M Total Phosphorus M Loss of biological integrity due to siltation NA Escherichia coli H	Pasture Grazing Municipal Point Source Discharges from MS4 Area	Category 5. Impaired, but EPA has approved siltation and habitat alteration TMDLs that address some of the known pollutants. Additional TMDLs needed.
TN05130108 053 – 1000	TAYLOR CREEK	White	31.8	Escherichia coli H	Pasture Grazing	Category 5. TMDL needed.

Waterbody ID	Impacted Waterbody	County	Miles/Acres Impaired	CAUSE / TMDL Priority	Pollutant Source	COMMENTS
TN05130108 097 – 2000	MINE LICK CREEK	Putnam	4.23	Escherichia coli NA Nitrate+Nitrite M Total Phosphorus M	Collection System Failure Municipal Point Source	Water contact advisory <u>lifted in 2015 due to Baxter STP overflows.</u> Category 5. EPA approved a pathogen TMDL that addresses some of the known pollutants. <u>Additional TMDLs needed.</u>
TN05130108 684 – 1000	FALL CREEK	DeKalb	9.8	Nitrate+Nitrite L Total Phosphorus L Loss of biological integrity due to siltation NA Nutrients M Low dissolved oxygen M Escherichia coli NA Other anthropogenic substrate alterations NA	Municipal Point Source Upstream Impoundment	Category 5. (One or more uses impaired.) EPA approved siltation, pathogen and habitat alteration TMDLs that address some of the known pollutants. <u>Additional TMDLs needed.</u>
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. <u>Category 4c. -Flow alteration is not a pollutant.</u>

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

Waterbody ID	Impacted Waterbody	County	Miles/Acres Impaired	CAUSE / TMDL Priority	Pollutant Source	COMMENTS
TN05130201 001T-0100	RANKIN BRANCH	Sumner	3.3	Alteration of stream-side or littoral vegetation L Total Phosphorus M Escherichia coli H	Pasture Grazing Channelization Discharges from MS4 area	Stream is Category 5. (One or more uses impaired.) <u>TMDLs needed.</u>
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	Gallatin area impacts. Stream is Category 5. (One or more uses impaired.) <u>TMDLs needed. TMDLs needed.</u>
TN05130201 001T-0400	UNNAMED TRIB TO OLD HICKORY RESERVOIR	Sumner	2.57	Nutrients M Loss of biological integrity due to siltation L	Discharges from MS4 area	Stream is Category 5. (One or more uses impaired.) <u>TMDLs needed.</u>
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	Stream is Category 5. (One or more uses impaired.) <u>TMDLs needed.</u>

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Waterbody ID	Impacted Waterbody	County	Miles/Acres Impaired	CAUSE / TMDL Priority	Pollutant Source	COMMENTS
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	Stream is Category 5. (One or more uses impaired.)
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	Stream is Category 5. (One or more uses impaired.)
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	Stream is Category 5. (One or more uses impaired.)
TN05130201 013-0300	BLACK BRANCH	Wilson	3.29	Nutrients M Alteration of stream-side or littoral vegetation L	Pasture Grazing	Category 5
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.
TN05130201 015-1000	CEDAR CREEK	Wilson	10.9	Escherichia coli H	Pasture Grazing Unrestricted Cattle Access	Category 5.
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.
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.
TN05130201 021 – 2000	ROUND LICK CREEK	Wilson	5.71	Nitrate+Nitrite M Loss of biological integrity due to siltation L Low dissolved oxygen M Alteration of stream-side or littoral vegetation L Escherichia coli NA	Municipal Point Source Pasture Grazing	Area impacts include Watertown STP. Category 5. (One or more uses impaired.) EPA approved a pathogen TMDL that addresses some of the known pollutants.
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 NA	Pasture Grazing	Stream is Category 5. (One or more uses impaired.) EPA approved a pathogen TMDL that addresses some of the known pollutants.
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. EPA approved a pathogen TMDL that addresses some of the known pollutants.

Draft Version 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	Hendersonville area. Category 5. One or more uses impaired.
TN05130201 047 – 0200	UNNAMED TRIB TO DRAKES CREEK	Sumner	6.13	Alteration of stream-side or littoral vegetation L	Discharges from MS4 Area	Hendersonville area. Category 5. One or more uses impaired.
TN05130201 055-0200	SINKING CREEK	Wilson	7.4	Nutrients M Other Anthropogenic Substrate Alterations L Escherichia coli NA	Collection System Failure Discharges from MS4 Area	Category 5. EPA approved a pathogen TMDL that addresses some of the known pollutants.
TN05130201 055-0250	SINKING CREEK	Wilson	10.0	Alteration in stream-side or littoral vegetative cover L Other Anthropogenic Substrate Alterations L Escherichia coli NA	Pasture Grazing Land Development Highway, Road, and Bridge Construction	Category 5. EPA approved a pathogen TMDL that addresses some of the known pollutants.

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	Water contact advisory from Bordeaux Bridge to Woodland Street. Stream is Category 5. (One or more uses impaired.)
TN05130202 001T - 0200	UNNAMED TRIB TO CHEATHAM RES.	Cheatham	2.04	Loss of biological integrity due to siltation L Other Anthropogenic Habitat Alterations L	Urbanized High Density Area	Ashland City area trib. Stream is Category 5. (One or more uses impaired.)
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	Stream is Category 5. (One or more uses impaired.)
TN05130202 001T - 0700	UNNAMED TRIB TO CHEATHAM RES.	Davidson	1.0	Iron L Total Dissolved Solids L	Landfills	Stream is Category 5. (One or more uses impaired.)
TN05130202 001T – 0800	DAVIDSON BRANCH	Davidson	2.83	Escherichia coli M	Discharges from MS4 area Collection System Failure	Stream is Category 5. (One or more uses impaired.)
TN05130202 001T – 0900	OVERALL CREEK	Davidson	7.83	Flow Alteration NA Loss of biological integrity due to siltation L	Highway, Road, Bridge Construction	Category 5. (One or more uses impaired.) Flow alteration is 4c (not caused by pollutant.

Draft Version 2016 303(d) LIST (Cheatham Reservoir Watershed continued)

Waterbody ID	Impacted Waterbody	County	Miles/Acres Impaired	CAUSE / TMDL Priority	Pollutant Source	COMMENTS
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TN05130202 007 – 0100	SIMS BRANCH	Davidson	1.5	Total Phosphorus Low dissolved oxygen Other Anthropogenic Habitat Alterations Escherichia coli	M M L NA	Discharges from MS4 area Industrial Permitted Stormwater	Provides habitat for the federally listed Nashville crayfish (<u>Orconectes shoupi</u>). Category 5. EPA approved a pathogen TMDL that addresses some of the known pollutants.
TN05130202 007 – 0150	SIMS BRANCH	Davidson	1.4	Propylene Glycol Low dissolved oxygen Other Anthropogenic Habitat Alterations	L M L	Discharges from MS4 area Industrial Permitted Stormwater	Stream is Category 5. (One or more uses impaired.)
TN05130202 007 – 0300	FINLEY BRANCH	Davidson	1.2	Escherichia coli Other Anthropogenic Habitat Alterations Total Phosphorus	NA L	Discharges from MS4 area	Category 5. EPA approved a pathogen TMDL that addresses some of the known pollutants.
TN05130202 007 – 0600	COLLINS CREEK	Davidson	6.7	Alteration of stream-side or littoral vegetation Loss of biological integrity due to siltation	L L	Discharges from MS4 area Land Development	Provides habitat for the federally listed Nashville crayfish (<u>O. shoupi</u>). Category 5. One or more uses impaired.
TN05130202 007 – 0800	INDIAN CREEK	Davidson	5.7	Total Phosphorus Escherichia coli	M M	Discharges from MS4 area Pasture Grazing	Provides habitat for the federally listed Nashville crayfish (<u>O. shoupi</u>). Category 5, one or more uses impaired.
TN05130202 007 – 0900 & 0920	OWL CREEK	Williamson Davidson	15.96	Total Phosphorus Loss of biological integrity due to siltation Alteration of stream-side or littoral vegetation	M L L	Discharges from MS4 area	Stream is Category 5. (One or more uses impaired.)
TN05130202 007 – 1000	MILL CREEK	Davidson	3.5	Total Phosphorus Loss of biological integrity due to siltation Low dissolved oxygen Escherichia coli	M L M	Collection System Failure Discharges from MS4 area	Federally listed Nashville crayfish (<u>O. shoupi</u>). Stream is Category 5. (One or more uses impaired.)
TN05130202 007 – 1100	HOLT CREEK	Davidson Williamson	6.2	Nitrate+Nitrite Total Phosphorus Escherichia coli	L L M	Discharges from MS4 area	Stream is Category 5. (One or more uses impaired.)
TN05130202 007 – 1200	WHITTEMORE BRANCH	Davidson	2.9	Other Anthropogenic Habitat Alterations Escherichia coli	L M	Discharges from MS4 area	Federally listed Nashville crayfish (<u>O. shoupi</u>). Category 5, one or more uses impaired.

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

Waterbody ID	Impacted Waterbody	County	Miles/Acres Impaired	CAUSE / TMDL Priority	Pollutant Source	COMMENTS
TN05130202 007 – 1300	SORGHUM BRANCH	Davidson	3.1	Loss of biological integrity due to siltation Other Anthropogenic	L	Discharges from MS4 area Provides habitat for the federally listed Nashville crayfish (<u>O. shoupi</u>). Category

				Habitat Alterations Escherichia coli	L M		5, one or more uses impaired.
TN05130202 007 – 1400	SEVENMILE CREEK	Davidson	2.4	Low Dissolved Oxygen Total Phosphorus Nitrate+Nitrite Other Anthropogenic Habitat Alterations Escherichia coli	M M L L NA	Discharges from MS4 area	Provides habitat for the federally listed Nashville crayfish (<i>O. shoupi</i>). Category 5. EPA approved a pathogen TMDL that addresses some of the known pollutants.
TN05130202 007 – 1410	SHASTA BRANCH	Davidson	1.84	Escherichia coli	NA	Discharges from MS4 area Collection System Failures	Federally listed Nashville crayfish (<i>O. shoupi</i>). Category 4a, pathogen TMDL addresses the known pollutants
TN05130202 007 – 1450	SEVENMILE CREEK	Davidson	4.99	Total Phosphorus Nitrate+Nitrite Escherichia coli	M M NA	Discharges from MS4 area	Federally listed Nashville crayfish (<i>O. shoupi</i>). Category 5, pathogen TMDL addresses some of the known pollutants.
TN05130202 007 – 1490	CATHY JO BRANCH	Davidson	1.1	Nitrate+Nitrite Total Phosphorus Other Anthropogenic Substrate Alterations Loss of biological integrity due to siltation	M M L L	Upstream Impoundments Animal Feeding Areas	Nashville Zoo is in watershed. Stream is Category 5. (One or more uses impaired.)
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.
TN05130202 007 – 2000	MILL CREEK	Davidson	4.0	Loss of biological integrity due to siltation Low dissolved oxygen Total Phosphorus	L M	Collection System Failure Discharges from MS4 area	Federally listed Nashville crayfish (<i>O. shoupi</i>). Category 5. TMDL needed.
TN05130202 007 – 3000	MILL CREEK	Davidson	5.9	Loss of biological integrity due to siltation Low dissolved oxygen Total Phosphorus	L M M	Collection System Failure Discharges from MS4 area	Habitat for the federally listed Nashville crayfish (<i>O. shoupi</i>). Category 5. TMDL needed.
TN05130202 007 – 5000	MILL CREEK	Davidson Williamson	8.1	Total Phosphorus Loss of biological integrity due to siltation Low dissolved oxygen Escherichia coli	M L L NA	Unrestricted Cattle Access Pasture Grazing	Provides habitat for the federally listed Nashville crayfish (<i>O. shoupi</i>). Category 5, pathogen TMDL addresses some of the known pollutants.

Draft Version 2016 303(d) LIST (Cheatham Reservoir Watershed continued)

Waterbody ID	Impacted Waterbody	County	Miles/Acres Impaired	CAUSE / TMDL Priority	Pollutant Source	COMMENTS
TN05130202 010 – 0200	DRAKES BRANCH	Davidson	2.7	Loss of biological integrity due to siltation Escherichia coli	L NA	Discharges from MS4 area Collection System Failure Category 4a. EPA approved a pathogen TMDL that addresses the known pollutant.

TN05130202 010 – 0900	EWING CREEK	Davidson	17.6	Other Anthropogenic Habitat Alterations Escherichia coli	L M	Collection System Failure Discharges from MS4 area	Stream is Category 5. (One or more uses impaired.)
TN05130202 010 – 1000	WHITES CREEK	Davidson	2.9	Nutrients	M	Discharges from MS4 Area	Water contact advisory. Category 5. EPA approved a pathogen TMDL that addresses some of the known pollutants.
TN05130202 010 – 2000	WHITES CREEK	Davidson	3.1	Alteration of stream-side or littoral vegetation Loss of biological integrity due to siltation Escherichia coli	L L NA	Discharges from MS4 area Collection System Failure	Category 5. EPA approved a pathogen TMDL that addresses some of the known pollutants.
TN05130202 014 – 0900	BLUE SPRING CREEK	Cheatham	9.8	Escherichia coli	M	Pasture Grazing	Category 5.
TN05130202 023 – 0100	EAST FORK BROWN'S CREEK	Davidson	2.2	Nitrate+Nitrite Total Phosphorus Other Anthropogenic Habitat Alterations Escherichia coli Oil and Grease	M M L NA L	Minor Industrial Point Source Discharges from MS4 area Urbanized High Density Area	Impacted by spills and runoff from Radnor Yards. Category 5. EPA approved a pathogen TMDL that addresses some of the known pollutants.
TN05130202 023 – 0200	MIDDLE FORK BROWN'S CREEK	Davidson	3.5	Nitrate+Nitrite Total Phosphorus Other Anthropogenic Habitat Alterations Escherichia coli	M M L NA	Discharges from MS4 area Failing Collection System Land Development	Category 5. EPA approved a pathogen TMDL that addresses some of the known pollutants.
TN05130202 023 – 0300	WEST FORK BROWN'S CREEK	Davidson	3.6	Nitrate+Nitrite Total Phosphorus Escherichia coli	M M NA	Discharges from MS4 area Failing Collection System	Category 5. EPA approved a pathogen TMDL that addresses some of the known pollutants.
TN05130202 023 – 1000	BROWN'S CREEK	Davidson	0.2	Nitrate+Nitrite Total Phosphorus Other Anthropogenic Habitat Alterations Escherichia coli Oil and Grease	M M L NA L	Minor Industrial Point Source Collection System Failure Discharges from MS4 area Urbanized High Density Area	Water contact advisory. Category 5. EPA approved a pathogen TMDL that addresses some of the known pollutants.

Draft Version 2016 303(d) LIST (Cheatham Reservoir Watershed continued)

Waterbody ID	Impacted Waterbody	County	Miles/Acres Impaired	CAUSE / TMDL Priority	Pollutant Source	COMMENTS	
TN05130202 023 – 2000	BROWN'S CREEK	Davidson	4.1	Nitrate+Nitrite Total Phosphorus Other Anthropogenic Habitat Alterations Escherichia coli Oil and Grease	M M L NA L	Minor Industrial Point Source Discharges from MS4 area Urbanized High Density Area	Water contact advisory. Category 5. EPA approved a pathogen TMDL that addresses some of the known pollutants.

TN05130202 027 – 1000	DRY CREEK	Davidson	0.5	Escherichia coli	NA	Collection System Failure	Water contact advisory. Category 4a, pathogen TMDL addresses the known pollutant.
TN05130202 027 – 2000	DRY CREEK	Davidson	5.9	Other Anthropogenic Habitat Alterations	L	Urbanized High Density Area	Stream is Category 5. (One or more uses impaired.)
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.
TN05130202 209 – 1000	COOPER CREEK	Davidson	3.9	Other Anthropogenic Habitat Alterations Escherichia coli	L NA	Discharges from MS4 area	Category 5. Approved pathogen TMDL addresses some of the known pollutants.
TN05130202 211 – 1000	LOVES BRANCH	Davidson	1.71	Other Anthropogenic Habitat Alterations	L	Discharges from MS4 area	Stream is Category 5. (One or more uses impaired.)
TN05130202 212 – 0100	NEELEYS BRANCH	Davidson	1.7	Escherichia coli	NA	Discharges from MS4 area	Category 4a. Approved pathogen TMDL addresses the known pollutants.
TN05130202 212 – 1000	GIBSON CREEK	Davidson	3.7	Habitat loss due to stream flow alteration Other Anthropogenic Habitat Alterations	NA L	Discharges from MS4 area Hydromodification	Category 5. Flow alteration is 4c (impact 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.
TN05130202 220 – 0200	WALKERS CREEK	Davidson	6.49	Escherichia coli	NA	Undetermined Source	Category 4a. Approved pathogen TMDL addresses the known pollutant.
TN05130202 220 – 0210	UNNAMED TRIB TO WALKERS CREEK	Davidson	1.47	Flow Alteration	NA	Upstream Impoundment	Randomly selected for Impounded Streams Study. Category 4C. Impairment not caused by a pollutant.
TN05130202 220 – 0300	SLATERS CREEK	Sumner	0.99	Loss of biological integrity due to siltation Escherichia coli	L NA	Sand/Gravel/Rock Quarry Discharges from MS4 area Bank Modification	Category 5. Approved pathogen TMDL addresses some of the known pollutants.
TN05130202 220 – 0350	SLATERS CREEK	Sumner	10.24	Escherichia coli	NA	Discharges from MS4 area	Category 4a, pathogen TMDL addresses the known pollutant.

Draft Version 2016 303(d) LIST (Cheatham Reservoir Watershed continued)

Waterbody ID	Impacted Waterbody	County	Miles/Acres Impaired	CAUSE / TMDL Priority	Pollutant Source	COMMENTS
TN05130202 220 – 0400	MADISON CREEK	Sumner	14.4	Loss of biological integrity due to siltation	L	Land Development Stream is Category 5. (One or more uses impaired.)
TN05130202 220 – 0500	CENTER POINT BRANCH	Sumner	3.8	Organic Enrichment	L	Discharges from MS4 area Stream is Category 5. (One or more uses impaired.)
TN05130202 220 – 1000	MANSKERS CREEK	Davidson Sumner	7.9	Loss of biological integrity due to siltation	L	Discharges from MS4 area Water contact advisory. Category 5. EPA approved a

				Escherichia coli	NA		pathogen TMDL that addresses some of the known pollutants.
TN05130202 220 – 2000	MANSKERS CREEK	Davidson Sumner	7.6	Loss of biological integrity due to siltation Low Dissolved Oxygen Escherichia coli	L L NA	Discharges from MS4 area	Category 5. EPA approved a pathogen TMDL that addresses some of the known pollutants.
TN05130202 314 – 0300	BOSLEY SPRINGS BRANCH	Davidson	1.5	Nitrate+Nitrite Total Phosphorus Other Anthropogenic Habitat Alterations Escherichia coli	M M L NA	Discharges from MS4 area	Category 5. EPA approved a pathogen TMDL that addresses some of the known pollutants.
TN05130202 314 – 0400	SUGARTREE CREEK	Davidson	4.3	Nitrate+Nitrite Total Phosphorus Low Dissolved Oxygen Other Anthropogenic Habitat Alterations Escherichia coli	M M L NA	Discharges from MS4 area Urbanized High Density Area	Category 5. EPA approved a pathogen TMDL that addresses some of the known pollutants.
TN05130202 314 – 0700	VAUGHNS GAP BRANCH	Davidson	0.6	Other Anthropogenic Habitat Alterations Escherichia coli	L NA	Collection System Failure Urbanized High Density Area Discharges from MS4 area	Category 5. Approved pathogen TMDL addresses some of the known pollutants.
TN05130202 314 – 0750	VAUGHNS GAP BRANCH	Davidson	1.9	Other Anthropogenic Habitat Alterations Escherichia coli	L NA	Discharges from MS4 area Urbanized High Density Area	Category 5. Approved pathogen TMDL addresses some of the known pollutants.
TN05130202 314 – 0800	JOCELYN HOLLOW BRANCH	Davidson	2.0	Nitrate+Nitrite Total Phosphorus Escherichia coli	M M NA	Discharges from MS4 area	Category 4a. Approved pathogen TMDL addresses the known pollutants.
TN05130202 314 – 1000	RICHLAND CREEK	Davidson	1.9	Total Phosphorus Nitrate+Nitrite Other Anthropogenic Habitat Alterations Escherichia coli	M M L NA	Collection System Failure Urbanized High Density Area Discharges from MS4 area	Advisory due to Metro collection system overflows. Category 5. Approved pathogen TMDL addresses some of the known pollutants.

Draft Version 2016 303(d) LIST (Cheatham Reservoir Watershed continued)

Waterbody ID	Impacted Waterbody	County	Miles/Acres Impaired	CAUSE / TMDL Priority	Pollutant Source	COMMENTS
TN05130202 314 – 2000	RICHLAND CREEK	Davidson	6.7	Total Phosphorus Nitrate+Nitrite Other Anthropogenic Habitat Alterations Escherichia coli	M M L NA	Collection System Failure Discharges from MS4 area Urbanized High Density Area Advisory due to Metro collection system overflows. Category 5. Approved pathogen TMDL addresses some of the known pollutants.

TN05130202 314 – 3000	RICHLAND CREEK	Davidson	4.0	Total Phosphorus Nitrate+Nitrite Other Anthropogenic Habitat Alterations Escherichia coli	M M L NA	Discharges from MS4 area Urbanized High Density Area	Stream is Category 5. (One or more uses impaired.) Approved pathogen TMDL addresses some of the known pollutants.
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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 Loss of biological integrity due to siltation Alteration in stream-side or littoral vegetative cover Escherichia coli	NA NA NA NA	Highway, Roads, Bridges, Infrastructure Construction Discharges from MS4 Area Collection System Failure	This stream is Category 4a. Impaired, but EPA approved nutrient, siltation/habitat alteration and pathogen TMDLs that address the known pollutants.
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.
TN05130203 001 – 1000	STONES RIVER	Davidson	6.7	Sulfide-hydrogen sulfide Low dissolved oxygen Habitat loss due to stream Flow alteration Odor threshold number	L L NA L	Upstream Impoundment	Category 5 overall, but flow alteration is 4c (impact not caused by a pollutant). Sulfides cause odor problem below dam.
TN05130203 003T – 01000200	FINCH BRANCH	Rutherford	5.7	Nutrients Alteration in stream-side or littoral vegetative cover Escherichia coli	M NA NA NA	Land Development Collection System Failure	Category 54a . EPA approved pathogen and habitat alteration TMDLs that address some of the known pollutants in this stream.
TN05130203 010 – 0100	ROCKY FORK CREEK	Rutherford	7.4	Loss of biological integrity due to siltation Alteration in stream-side or littoral vegetative cover	NA NA NA NA	Land Development	Category 4a. EPA approved a siltation/ habitat alteration TMDL that addresses the known pollutant in this stream.

Draft 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 – 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 has approved a siltation TMDL that addresses some of the known pollutants. EPA approved a habitat alteration TMDL that addresses the known pollutants in this stream.

TN05130203 010 – 0300	HARTS BRANCH	Rutherford	3.9	<u>Nutrients</u> L Loss of biological integrity due to siltation NA	Discharges from MS4 area	Category 4a. EPA has approved a siltation TMDL that addresses some of the known pollutants. This segment is covered by the existing HUC-12 based siltation/habitat alterations TMDL approved by EPA on 10/31/2002.
TN05130203 010 – 0310	ROCK SPRING BRANCH	Rutherford	5.6	Loss of biological integrity due to siltation NA Physical substrate habitat alterations NA	Highways, Roads, Bridges, Infrastructure Construction Land Development	Category 4a. EPA approved a siltation/ habitat alteration TMDLs that address known pollutants in this stream.
TN05130203 010 – 1000	STEWARTS CREEK	Rutherford	7.0	<u>Low dissolved oxygen</u> L Nitrate+Nitrite M Total Phosphorus M Loss of biological integrity due to siltation NA	Municipal Point Source Discharges from MS4 area	Category 5. EPA approved a siltation TMDL that addresses some of the known pollutants in this stream. <u>Additional TMDLs needed.</u>
TN05130203 010 – 2000	STEWARTS CREEK	Rutherford	5.5	<u>Low dissolved oxygen</u> L <u>Loss of biological integrity</u> <u>due to siltation</u> NA Escherichia coli HNA	Discharges from MS4 area <u>Pasture Grazing</u>	Category 5. <u>EPA approved a pathogen and siltation TMDL that addresses some of the known pollutants in this stream. Additional TMDL needed.</u>
<u>TN05130203</u> <u>015 – 0100</u>	<u>PUCKETT CREEK</u>	<u>Rutherford</u>	<u>6.7</u>	<u>Alteration in stream-side</u> <u>or littoral vegetative cover</u> L	<u>Land Development</u>	<u>Category 5. TMDL needed.</u>
TN05130203 018 – 0100	SINKING CREEK	Rutherford	5.5	<u>Nitrate+Nitrite</u> L Alteration in stream-side or littoral vegetative cover L Escherichia coli NA	Land Development <u>Collection System Failure</u> Discharges from MS4 area	Category 5. EPA approved a pathogen TMDL that addresses some of the known pollutants. <u>Additional TMDLs needed.</u>
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.
<u>TN05130203</u> <u>018 – 0300</u>	<u>DRY FORK CREEK</u>	<u>Rutherford</u>	<u>19.7</u>	<u>Escherichia coli</u> NA	<u>Pasture Grazing</u>	<u>Category 4a. EPA approved a pathogen TMDL that addresses the known pollutant.</u>
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	<u>Low dissolved oxygen</u> L <u>Sulfates</u> L	<u>Pasture grazing</u> <u>Petroleum/Natural Gas Activities</u>	This stream was previously identified as the mainstem West Fork. Segment is now believed to be a tributary. <u>Abandoned petroleum well that needs to be capped. TMDL would not assist.</u>
<u>TN05130203</u> <u>018 – 0500</u>	<u>PANTHER CREEK</u>	<u>Rutherford</u>	<u>10.5</u>	<u>Alteration in stream-side</u> <u>or littoral vegetative cover</u> L	<u>Pasture Grazing</u>	<u>Category 5. TMDL needed.</u>

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. TMDL needed.
TN05130203 018 - 1000	WEST FORK STONES RIVER	Rutherford	6.3	Escherichia coli - L	Discharges from MS4 area Collection System Failure	Category 5. The stream is impaired for one or more uses. TMDL needed.
TN05130203 018 - 2000	WEST FORK STONES RIVER	Rutherford	1.3	Nitrate+Nitrite M Total Phosphorus M Loss of biological integrity due to siltation L	Municipal Point Source Land Development	Category 5. The stream is impaired for one or more uses. TMDLs needed.
TN05130203 018 - 3000	WEST FORK STONES RIVER	Rutherford	5.4	Loss of biological integrity due to siltation L	Discharges from MS4 area	Category 5. The stream is impaired for one or more uses.
TN05130203 018 -7000	WEST FORK STONES RIVER	Rutherford	7.2	Low dissolved oxygen NA	Pasture Grazing Unrestricted Cattle Access	Category 4a. EPA approved a dissolved oxygen TMDL that addresses the known pollutant.
TN05130203 022 -0100	TOWN CREEK (formerly Unnamed Trib to Lytle Creek)	Rutherford	0.13	Low dissolved oxygen NA Escherichia coli NA	Undetermined Source	Category 4a. EPA approved a dissolved oxygen and pathogen TMDL that addresses the known pollutant.
TN05130203 022 -0200	LEES SPRING BRANCH	Rutherford	1.1	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.

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

Waterbody ID	Impacted Waterbody	County	Miles/Acres Impaired	CAUSE / TMDL Priority	Pollutant Source	COMMENTS
TN05130203 022 -1000	LYTLE CREEK	Rutherford	8.9	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. Impaired, but EPA approved siltation/habitat alteration and pathogen TMDLs that address the known pollutants.
TN05130203 022 -2000	LYTLE CREEK	Rutherford	10.1	Alteration in stream-side or littoral vegetative cover NA Loss of biological integrity due to siltation NA Escherichia coli NA	Pasture Grazing Land Development	Category 4a. Impaired, but EPA approved TMDLs that address known pollutants.

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	NA NA NA	Discharges from MS4 area Channelization	This stream is Category 4a. The stream is impaired, but EPA has approved a TMDL for the known pollutants. This segment is covered by the existing HUC-12 based siltation/habitat alterations TMDL approved by EPA on 10/31/2002.
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.
TN05130203 025 -2000	CRIPPLE CREEK	Rutherford	5.4	Loss of biological integrity due to siltation	NA	Pasture Grazing	Category 4A. Impaired, but EPA approved a siltation TMDL for the known pollutant.
TN05130203 026 - 2000	EAST FORK STONES RIVER	Cannon	6.5	Escherichia coli	HNA	Pasture Grazing	This stream is Category 5. TMDLs needed. Impaired, but EPA approved a pathogen TMDL that addresses known pollutant.
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-Nutrients -	NA NA NA	Pasture Grazing Land Development	Category 4a. Impaired, but EPA has approved nutrient and siltation/ habitat alteration TMDLs that address the known pollutants in this stream.
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 siltation/ habitat alteration TMDLs that address known pollutants.
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, siltation, and habitat TMDLs that address the known pollutants.

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

Waterbody ID	Impacted Waterbody	County	Miles/Acres Impaired	CAUSE / TMDL Priority	Pollutant Source	COMMENTS
TN05130203 032 - 0200	CEDAR CREEK	Wilson	1.7	Alteration in stream-side or littoral vegetative cover	NA Unrestricted Cattle Access	This stream is Category 4a. The stream is impaired, but EPA has approved a siltation/ habitat alteration TMDL for the known pollutants.

TN05130203 035 – 0100	SCOTTS CREEK	Davidson	4.7	Nitrate+Nitrite Total Phosphorus Loss of biological integrity due to siltation	M M NA	Discharges from MS4 area	Category 5. EPA has approved a siltation/ habitat alteration TMDL. This segment is covered by the existing HUC-12 based siltation/habitat alterations TMDL approved by EPA on 10/31/2002.
TN05130203 035 – 0300	DRY FORK CREEK	Davidson	5.0	Loss of biological integrity due to siltation	NA	Discharges from MS4 area	Category 4a. Impaired, but EPA has approved a siltation/ habitat alteration TMDL for the known pollutants. This segment is covered by the existing HUC-12 based siltation/habitat alterations TMDL approved by EPA on 10/31/2002.
TN05130203 035 – 0400	UNNAMED TRIB TO STONERS CREEK	Davidson	1.4	Loss of biological integrity due to siltation	NA	Sand/Gravel/Rock Quarry Industrial Stormwater Discharge	Category 4a. EPA approved a siltation/ habitat alteration TMDL for the known pollutant.
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/ habitat alteration and pathogen TMDLs that address the known pollutants.
<u>TN05130203 035 – 2000</u>	<u>STONERS CREEK</u>	<u>Wilson Davidson</u>	<u>12.6</u>	<u>Escherichia coli</u>	<u>L</u>	<u>Discharges from MS4 area Pasture Grazing</u>	<u>Category 5. TMDLs needed.</u>
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	NA NA	Discharges from MS4 area Channelization	Category 4a. EPA approved siltation/ habitat alteration TMDLs that address the known pollutants. This segment is covered by the existing HUC-12 based siltation/habitat alterations TMDL approved by EPA on 10/31/2002.
TN05130203 036 – 0200	WEST BRANCH HURRICANE CREEK	Rutherford Davidson	3.5	Nutrients Loss of biological integrity due to siltation	NA NA	Discharges from MS4 area Land Development	Category 4a. EPA approved a nutrient and siltation/ habitat alteration TMDLs that addresses one if the known pollutants. This segment is also covered by the existing HUC-12 based siltation/habitat alterations TMDL approved by EPA on 10/31/2002.

TN05130203 036 – 1000	HURRICANE CREEK	Rutherford Davidson	8.5	Nutrients Loss of biological integrity due to siltation Escherichia coli	NA NA HNA	Industrial Point Source Land Development Discharges from MS4 area	Category 5. EPA approved a nutrient, and siltation/ habitat alteration, <u>and pathogen</u> TMDLs that address some of the known pollutants.
TN05130203 230 – 0100	NORTH CREEK	Wilson	2.1	Loss of biological integrity due to siltation	L	Land Development	Category 5. TMDLs needed.
TN05130203 232 – 0100	NORTH FORK SUGGS CREEK	Wilson	5.669-2	Alteration in stream-side or littoral vegetative cover Nutrients Loss of biological integrity due to siltation	L M L	Pasture Grazing <u>On-site Treatment System</u> Discharges from MS4 area	Category 5. TMDLs needed.
<u>TN05130203 232 – 0110</u>	<u>ANTHONY BRANCH</u>	<u>Wilson</u>	<u>3.53</u>	<u>Nutrients</u>	<u>L</u>	<u>On-site Treatment System</u>	<u>Category 5. TMDLs needed.</u>
TN05130203 232 – 1000	SUGGS CREEK	Davidson Wilson	18.1	<u>Nutrients</u> Loss of biological integrity due to siltation	<u>L</u> L	<u>On-site Treatment System</u> Pasture Grazing	This stream is Category 5. The stream is impaired for one or more uses.

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

Waterbody ID	Impacted Waterbody	County	Miles/Acres Impaired	CAUSE / TMDL Priority	Pollutant Source	COMMENTS	
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 <u>Loss of Riparian Habitat</u>	This stream is Category 5. The stream is impaired for one or more uses.
TN05130203 539 – 1000	EAST FORK HAMILTON CREEK	Davidson	6.0	<u>Alteration in stream-side or littoral vegetative cover</u> Physical substrate habitat alterations Loss of biological integrity due to siltation	<u>L</u> L L	<u>Discharges from MS4 area</u> Channelization <u>Land Development</u>	This stream is Category 5. The stream is impaired for one or more uses.

Harpeth River Watershed

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

Waterbody ID	Impacted Waterbody	County	Miles/Acres Impaired	CAUSE / TMDL Priority	Pollutant Source	COMMENTS	
TN05130204 001 –0600	UNNAMED TRIB. TO HARPETH RIVER	Dickson	1.59	Flow Alterations	NA	Upstream Impoundments	Category 4c. Impacts 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.
TN05130204 002 –0200	UNNAMED TRIB. TO JONES CREEK	Dickson	6.48	Flow Alterations	NA	Upstream Impoundments	Category 4c. Impacts not caused by a pollutant.

TN05130204 002 -0400	WILL HALL CREEK	Dickson	0.96	Escherichia coli	NA	Pasture Grazing	Category 4a. EPA approved a pathogen TMDL for the known pollutant.
TN05130204 002 -0410	CREECH HOLLOW BRANCH	Dickson	4.32	Alteration in stream-side or littoral vegetative cover Escherichia coli	L NA	Pasture Grazing	Category 5. EPA approved a pathogen TMDL for some of the known pollutants.
TN05130204 002 -0411	WILDCAT HOLLOW BRANCH	Dickson	3.27	Flow Alterations	NA	Upstream Impoundments	Category 4c. Impacts not caused by a pollutant.
TN05130204 002 -0600	UNNAMED TRIB. TO JONES CREEK	Dickson	0.26	Other anthropogenic substrate alterations Loss of biological integrity due to siltation	NA NA	Golf Course Upstream Impoundment	Category 4a. EPA approved a siltation/ habitat alteration TMDL for the known pollutants.
TN05130204 002 -0700	SPICER BRANCH	Dickson	4.6	Physical substrate habitat alterations Loss of biological integrity due to siltation	NA NA	Channelization Land Development	Category 4a. EPA approved a siltation/ habitat alteration TMDL for the known pollutants.
TN05130204 002 -1300	TOWN BRANCH	Dickson	7.6	Escherichia coli	H	Undetermined Source	Category 5. TMDL needed.

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

Waterbody ID	Impacted Waterbody	County	Miles/Acres Impaired	CAUSE / TMDL Priority	Pollutant Source	COMMENTS	
TN05130204 002 -2000	JONES CREEK	Dickson	7.0	Nitrate+Nitrite Total Phosphorus Escherichia coli	M M NA	Municipal Point Source Pasture Grazing	Category 5. EPA approved a pathogen TMDL for some of the known pollutants.
TN05130204 002 -3000	JONES CREEK	Dickson	8.1	Nutrients Alteration in stream-side or littoral vegetative cover Loss of biological integrity due to siltation	M NA NA	Land Development Pasture Grazing	Category 5. EPA approved a siltation/ habitat alteration TMDL for some of the known pollutants in this stream.
TN05130204 009 -0400	FLAT CREEK	Davidson	3.6	Alteration in stream-side or littoral vegetative cover Loss of biological integrity due to siltation	NA NA	Discharges from MS4 Area	Category 4a. Impaired, but EPA approved a TMDL for the known pollutants.
TN05130204 009 -0600	MURRAY BRANCH	Williamson	3.6	Alteration in stream-side or littoral vegetative cover Loss of biological integrity due to siltation	NA NA	Pasture Grazing Non-irrigated Crop Production	Category 4a. EPA approved siltation/ habitat alteration TMDLs for the known pollutants.
TN05130204 009 -0700	BROWN CREEK	Williamson	5.3	Loss of biological integrity due to siltation	NA	Pasture Grazing	Category 4a. A siltation TMDL addresses the known pollutant.
TN05130204 009 -0800	UNNAMED TRIB TO HARPETH RIVER	Williamson	2.1	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 the known pollutants.

TN05130204 009 – 0900	TRACE CREEK	Davidson Williamson	4.9	Physical substrate habitat alteration Loss of biological integrity due to siltation	NA L	Land Development	Category 4a. EPA approved a habitat alteration TMDL for the known pollutant.
TN05130204 009 – 1100	BEECH CREEK	Davidson	3.6	Alteration in stream-side or littoral vegetative cover Loss of biological integrity due to siltation	NA NA	Pasture Grazing Discharges from MS4 area	Category 4a. EPA has approved a siltation/ habitat alteration TMDL for the known pollutants.
TN05130204 009 – 2000	HARPETH RIVER	Cheatham Davidson	18.8	Total Phosphorus Low dissolved oxygen	NA NA	Municipal Point Sources Discharges from MS4 area	Category 4a. EPA approved nutrient and DO TMDLs for the known pollutants.
TN05130204 009 – 3000	HARPETH RIVER	Davidson Williamson	16.8	Total Phosphorus Low dissolved oxygen	NA NA	Municipal Point Sources Discharges from MS4 area	Category 4a. EPA approved nutrient and DO TMDLs for the known pollutants.
TN05130204 010 – 0200	UNNAMED TRIB TO SOUTH HARPETH RIVER	Davidson	1.52	Flow Alteration	NA	Upstream Impoundment	Category 4c. Impact 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	NA	Discharges from MS4 area	Category 4a. EPA has approved a habitat alteration TMDL for the known pollutant.

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

Waterbody ID	Impacted Waterbody	County	Miles/Acres Impaired	CAUSE / TMDL Priority	Pollutant Source	COMMENTS	
TN05130204 010 – 0720	ARKANSAS CREEK	Williamson	11.17	Escherichia coli	NA	Pasture Grazing	Category 4a. A pathogen TMDL addresses the known pollutant.
TN05130204 013 – 0100	HATCHER SPRING CREEK	Williamson	6.5	Alteration in stream-side or littoral vegetative cover Loss of biological integrity due to siltation	L L	Pasture Grazing Land Development	Category 5. TMDLs needed.
TN05130204 013 – 0200	POLK CREEK	Williamson	8.8	Alteration in stream-side or littoral vegetative cover Loss of biological integrity due to siltation Escherichia coli	NA NA H	Pasture Grazing	Category 4a. EPA approved a siltation/ habitat alteration TMDL for the known pollutants.
TN05130204 013 – 0300	UNNAMED TRIB TO WEST HARPETH RIVER	Williamson	1.8	Loss of biological integrity due to siltation	NA	Pasture Grazing	Category 4a. EPA approved a siltation TMDL for the known pollutant.
TN05130204 013 – 0400	UNNAMED TRIB TO WEST HARPETH RIVER	Williamson	1.3	Loss of biological integrity due to siltation	NA	Highways, Roads, Bridge, Infrastructure Construction	Category 4a. EPA approved a siltation TMDL for the known pollutants.

TN05130204 013 – 0500	KENNEDY CREEK	Williamson	4.8	Physical substrate habitat alterations Loss of biological integrity due to siltation	NA NA	Land Development	Category 4a. EPA approved a siltation/habitat alteration TMDL for the known pollutants.
TN05130204 013 – 0600	UNNAMED TRIB TO WEST HARPETH RIVER	Williamson	6.5	Loss of biological integrity due to siltation Alteration in stream-side or littoral vegetative cover	NA NA	Land Development Pasture Grazing	Category 4a. EPA approved a siltation/habitat alteration TMDL for the known pollutants.
TN05130204 013 – 0700	MURFREES FORK	Williamson	6.2	Escherichia coli	NA	Pasture Grazing	Category 4a. EPA approved a pathogen TMDL for the known pollutant
TN05130204 013 – 0710	RATTLESNAKE BRANCH	Williamson	6.5	Alteration in stream-side or littoral vegetative cover Nutrients Escherichia coli	NA NA H	Pasture Grazing	Category 5. Impaired, but EPA has approved habitat/nutrient TMDLs for some of the known pollutants.
TN05130204 013 – 0720	CAYCE BRANCH	Williamson	5.9	Physical substrate habitat alteration Loss of biological integrity due to siltation	NA NA	Pasture Grazing Unrestricted Cattle Access	Category 4a. Impaired, but EPA has approved a siltation/habitat alteration TMDL for the known pollutants.
TN05130204 013 – 0730	WEST PRONG MURFREES FORK	Williamson	6.0	Escherichia coli	NA	Pasture Grazing	Category 4a. Impaired but EPA approved a pathogen TMDL for the known pollutants

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

Waterbody ID	Impacted Waterbody	County	Miles/Acres Impaired	CAUSE / TMDL Priority	Pollutant Source	COMMENTS	
TN05130204 013 – 0750	MURFREES FORK	Williamson	18.4	Total Phosphorus Alteration in stream-side or littoral vegetative cover Loss of biological integrity due to siltation Escherichia coli	L L L NA	Pasture Grazing	Category 4a. Impaired, but EPA approved a pathogen TMDL for the known pollutant.
TN05130204 013 – 2000	WEST HARPETH RIVER	Williamson	10.9	Alteration in stream-side or littoral vegetative cover Loss of biological integrity due to siltation Escherichia coli	L L NA	Pasture Grazing	Category 4a. Impaired, but EPA approved a pathogen TMDL for the known pollutant.
TN05130204 016 – 0100	LYNWOOD CREEK	Williamson	5.4	Nutrients Alteration in stream-side or littoral vegetative cover Loss of biological integrity due to siltation	L NA NA	Pasture Grazing Land Development Discharges from MS4 area	Category 4a. Impaired, but EPA has approved a siltation/habitat alteration TMDL for the known pollutants.

TN05130204 016 – 0200	SPENCER CREEK	Williamson	13.98	Alteration in stream-side or littoral vegetative cover Loss of biological integrity due to siltation Escherichia coli	L NA NA	Discharges from MS4 area	Category 4a. EPA approved pathogen/siltation TMDLs for the known pollutants.
TN05130204 016 – 0210	SOUTH PRONG SPENCER CREEK	Williamson	5.76	Loss of biological integrity due to siltation Alteration in stream-side or littoral vegetative cover	NA NA	Land Development	Category 4a. EPA approved a siltation/habitat alteration TMDL for the known pollutants.
TN05130204 016 – 0300	LIBERTY CREEK	Williamson	0.54	Toluene Low Dissolved Oxygen Loss of biological integrity due to siltation Alteration of stream-side or littoral vegetative cover	L L L L	Industrial Point Source Discharges from MS4 area	Liberty Creek is impacted in part due to accidental releases of toluene. These substances indirectly affect fish and aquatic life and directly impact the aesthetics of the stream. Category 5.
TN05130204 016 – 0350	LIBERTY CREEK	Williamson	1.31	Loss of biological integrity due to siltation Alteration of stream-side or littoral vegetation	L L	Discharges from MS4 area	This stream is Category 5. One or more uses impaired.
TN05130204 016 – 0400	UNNAMED TRIB TO HARPETH RIVER	Williamson	2.94	Loss of biological integrity due to siltation Alteration of stream-side or littoral vegetation	L L	Discharges from MS4 area	This stream is Category 5. One or more uses impaired.
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.

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

Waterbody ID	Impacted Waterbody	County	Miles/Acres Impaired	CAUSE / TMDL Priority	Pollutant Source	COMMENTS
TN05130204 016 – 0810	PAIGE BRANCH	Williamson	3.08	Loss of biological integrity due to siltation Alteration of stream-side or littoral vegetation	L L	Pasture Grazing This stream is Category 5. One or more uses impaired.
TN05130204 016 –1000	HARPETH RIVER	Williamson	6.8	Loss of biological integrity due to siltation Low dissolved oxygen Total Phosphorus	L NA NA	Municipal Point Source Discharges from MS4 area Category 4a. EPA approved DO and nutrient TMDLs for the known pollutants.
TN05130204 016 – 1300	FIVEMILE CREEK	Williamson	5.75	Loss of biological integrity due to siltation Escherichia coli	NA NA	Pasture Grazing Category 4a. EPA approved siltation and pathogen TMDLs for the known pollutants.
TN05130204 016 – 1350	FIVEMILE CREEK	Williamson	8.56	Escherichia coli	NA	Pasture Grazing Category 4a. EPA approved siltation and pathogen TMDLs for the known pollutants.

TN05130204 016 – 1400	DONELSON CREEK	Williamson	3.4	Alteration in stream-side or littoral vegetative cover Loss of biological integrity due to siltation	L NA	Discharges from MS4 area	Category 4a. EPA approved a siltation TMDL for the known pollutant.
TN05130204 016 – 1500	UNNAMED TRIB TO HARPETH RIVER	Williamson	4.0	Alteration in stream-side or littoral vegetative cover Loss of biological integrity due to siltation	NA NA	Land Development	Category 4a. The stream is impaired, but EPA approved a siltation/ habitat alteration TMDL for the known pollutants.
TN05130204 016 – 1600	SHARPS CREEK (formerly called Sparks Branch)	Williamson	4.9	Alteration in stream-side or littoral vegetative cover Loss of biological integrity due to siltation	NA NA	Discharges from MS4 area	Category 4a. Impaired, but EPA approved a siltation/ habitat alteration TMDL for the known pollutants.
TN05130204 016 – 2000	HARPETH RIVER	Williamson	3.9	Low Dissolved Oxygen Total Phosphorus Loss of biological integrity due to siltation Escherichia coli	NA NA NA NA	Discharges from MS4 area Highways, Roads, Bridges, Infrastructure Construction Pasture Grazing	Category 4a. Impaired, but EPA has approved pathogen, siltation/ habitat alteration, and organic enrichment TMDLs for the known pollutants.
TN05130204 016 – 3000	HARPETH RIVER	Williamson	9.0	Low Dissolved Oxygen Loss of biological integrity due to siltation	NA NA	Pasture Grazing	Category 4a. EPA approved DO and siltation TMDLs for the known pollutants.
TN05130204 016 – 4000	HARPETH RIVER	Williamson	7.5	Low Dissolved Oxygen Loss of biological integrity due to siltation	NA NA	Pasture Grazing	Category 4a. EPA approved DO and siltation TMDLs for the known pollutants.
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	Sod farming is specialty crop. 4a, but EPA approved a siltation/ habitat alteration TMDL for the known pollutants.

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

Waterbody ID	Impacted Waterbody	County	Miles/Acres Impaired	CAUSE / TMDL Priority	Pollutant Source	COMMENTS	
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. Impaired, but EPA has approved a siltation/ habitat alteration TMDL for the known pollutants.
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 NA	Specialty Crop Production Pasture Grazing	Category 4a. EPA approved pathogen and siltation/ habitat alteration TMDLs for the known pollutants.

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. The stream is impaired, but EPA approved a siltation/ habitat alteration TMDL for the known pollutants.
TN05130204 018 – 2000	HARPETH RIVER	Williamson Rutherford	2.7	Lead	NA	Industrial Point Source Discharge Contaminated Sediment	Category 4a. Impaired, but EPA has approved a lead TMDL for the known pollutant.
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	NA NA NA H	Pasture Grazing	Category 5. EPA has approved a siltation/ habitat alteration and organic enrichment TMDL for some of the known pollutants in this stream.
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	L NA NA NA	Discharges from MS4 area Upstream Impoundment	Category 4a. The stream is impaired, but EPA has approved a siltation/ habitat alteration TMDL for the known pollutants. Flow alteration is 4c (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. Impaired, but EPA has approved a siltation/ habitat alteration TMDL for the known pollutants.
TN05130204 021 – 0300	UNNAMED TRIB TO LITTLE HARPETH RIVER	Williamson	4.93	Alteration in stream-side or littoral vegetative cover Loss of biological integrity due to siltation	NA NA	Discharges from MS4 area	Category 4a. The stream is impaired, but EPA has approved a siltation/ habitat alteration TMDL for the known pollutants.
TN05130204 021 – 0400	BEECH CREEK	Williamson	7.7	Alteration in stream-side or littoral vegetative cover Loss of biological integrity due to siltation	NA NA	Land Development	Category 4a. The stream is impaired, but EPA has approved a siltation/ habitat alteration TMDL for the known pollutants.

Draft Version 2016 303(d) LIST (Harpeth River Watershed [continued](#))

Waterbody ID	Impacted Waterbody	County	Miles/Acres Impaired	CAUSE / TMDL Priority	Pollutant Source	COMMENTS	
TN05130204 021 – 1000	LITTLE HARPETH RIVER	Davidson Williamson	4.1	Alteration in stream-side or littoral vegetative cover Loss of biological integrity due to siltation Escherichia coli	NA NA NA	Land Development Collection System Failure	Category 4a. Impaired, but EPA has approved pathogen, siltation/ habitat alteration, and organic enrichment TMDLs for the known pollutants.

TN05130204 021 – 2000	LITTLE HARPETH RIVER	Williamson	12.1	Alteration in stream-side or littoral vegetative cover Loss of biological integrity due to siltation	NA NA	Pasture Grazing Discharges from MS4 area	Category 4a. Impaired, but EPA has approved siltation/ habitat alteration TMDLs for the known pollutants.
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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. 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.
TN05130205 015T - 1100	WALL BRANCH	Montgomery	4.8	Loss of biological integrity due to siltation Nitrate+Nitrite	L Discharges from MS4 area Off-road Vehicles	Category 5.
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. EPA approved a pathogen TMDL that addresses some of the known pollutants in this stream.

Draft Version 2016 303(d) LIST (Barkley Reservoir Watershed continued)

Waterbody ID	Impacted Waterbody	County	Miles/Acres Impaired	CAUSE (Pollutant)	Pollutant Source	COMMENTS
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	Stream is Category 5. (One or more uses impaired.)
TN05130205 033 - 0300	RACCOON CREEK	Cheatham	8.3	Loss of biological integrity due to siltation	L Pasture Grazing Nonirrigated Crop Production	Stream is Category 5. (One or more uses impaired.)

TN05130205 038 - 1000	BIG MCADOO CREEK	Montgomery	13.1	Loss of biological integrity due to siltation Nutrients Escherichia coli	M L H	Nonirrigated Crop Production Land Development Pasture Grazing	Stream is Category 5. (One or more uses impaired.)
TN05130205 110 - 0300	BARTEE BRANCH	Montgomery	5.71	Low Dissolved Oxygen Flow Alterations	L NA	Upstream Impoundment	Randomly selected for Impounded Stream Study. Category 5. However, flow alteration is 4C (not a pollutant).
TN05130205 1735 - 0400	ERIN BRANCH	Houston	14.4	Escherichia coli	H	Urbanized High Density Area	Erin area impacts. Category 5. (One or more uses impaired.)

Red River Watershed

This basin contains the following USGS Hydrologic Unit Code: 05130206

Waterbody ID	Impacted Waterbody	County	Miles/Acres Impaired	CAUSE / TMDL Priority	Pollutant Source	COMMENTS	
TN05130206 002 - 0100	DUNBAR CAVE CREEK	Montgomery	2.7	Loss of biological integrity due to siltation Physical Substrate Habitat Alterations	M M	Discharges from MS4 area Land Development	Stream is Category 5. (One or more uses impaired.)
TN05130206 002 - 0200	ELK FORK CREEK	Robertson	3.9	Alteration of stream-side or littoral vegetation	M	Pasture Grazing Unrestricted Cattle Access	Stream is Category 5. (One or more uses impaired.)
TN05130206 002 - 0300	SPRING CREEK	Robertson	12.25	Nitrate+Nitrite <u>ML</u> Loss of biological integrity due to siltation Escherichia coli	L H	Pasture Grazing	Stream is Category 5. (One or more uses impaired.) TMDL Vision Priority Watershed
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.

Draft Version 2016 303(d) LIST (Red River Watershed [continued](#))

Waterbody ID	Impacted Waterbody	County	Miles/Acres Impaired	CAUSE (Pollutant)	Pollutant Source	COMMENTS	
TN05130206 002 - 0700	SEVEN SPRINGS	Montgomery	1.1	Nitrate+Nitrite Loss of biological integrity due to siltation Escherichia coli	M L NA	Discharges from MS4 area	Category 5. Approved pathogen TMDL addresses some of the known pollutants.
TN05130206 002 - 1000	RED RIVER	Montgomery	2.4	Loss of biological integrity due to siltation Escherichia coli Other Habitat Alterations Nutrients	L NA L M	Nonirrigated Crop Production Collection System Failure Land Development	Category 5. EPA approved a pathogen TMDL that addresses some of the known pollutants in this stream.
TN05130206 002 - 2000	RED RIVER	Montgomery	22.9	Nitrates	M	Pasture Grazing	Domestic water supply use impacted. Category 5.

TN05130206 002 - 3000	RED RIVER	Montgomery Robertson	17.5	Nitrates	M	Nonirrigated Crop Production	Impairment is to domestic water supply use. Category 5.
TN05130206 002 - 4000	RED RIVER	Robertson	4.5	Nitrates	L	Nonirrigated Crop Production	Impairment is to domestic water supply use. Category 5. TMDL Vision Priority Watershed
TN05130206 002 - 5000	RED RIVER	Robertson	3.3	Alteration to stream-side or littoral vegetation Physical Substrate Habitat Alterations Nitrates	L L M	Nonirrigated Crop Production Pasture Grazing	Nitrate impairment is to domestic water supply use. Stream is Category 5. (One or more uses impaired.)
TN05130206 003 - 0100	CHAMBERS SPRING BRANCH	Robertson	4.3	Alteration to stream-side or littoral vegetation Loss of biological integrity due to siltation	L L	Pasture Grazing Unrestricted Cattle Access	Stream is Category 5 (one or more uses impaired).
TN05130206 003 - 0300	PEPPERS BRANCH	Robertson	4.2	Alteration to stream-side or littoral vegetation Loss of biological integrity due to siltation	L L	Pasture Grazing	Segment contains a large wetland area. Category 5.
TN05130206 003 - 1100	WARTRACE CREEK	Robertson	0.72	Temperature Alterations Flow Alterations	L NA	Upstream Impoundment	Category 5, but flow alteration is 4c (not caused by pollutant).
TN05130206 003 - 1150	WARTRACE CREEK	Robertson	6.32	Alteration to stream-side or littoral vegetation Loss of biological integrity due to siltation	L L	Discharges from MS4 area	Category 5.
TN05130206 003 - 1200	BLACK BRANCH	Robertson	1.87	Other Anthropogenic Substrate Alterations	L	Discharges from MS4 area	Category 5.
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.

Draft Version 2016 303(d) LIST (Red River Watershed [continued](#))

Waterbody ID	Impacted Waterbody	County	Miles/Acres Impaired	CAUSE (Pollutant)		Pollutant Source	COMMENTS
TN05130206 003 - 1320	UNNAMED TRIB TO CARR CREEK	Robertson	1.6	Nitrate+Nitrite Total Phosphorus Temperature Alterations Escherichia coli	M M L NA	Municipal Point Source	Category 5. EPA approved a pathogen TMDL that addresses some of the known pollutants.
TN05130206 003 - 1350	CARR CREEK	Robertson	7.8	Escherichia coli	H	Collection System Failure	Stream is Category 5. (One or more uses impaired.)
TN05130206 003 - 1355	CARR CREEK	Robertson	11.3	Nitrate+Nitrite Total Phosphorus Escherichia coli	M M NA	Collection System Failure	Category 5. EPA approved a pathogen TMDL that addresses some of the known pollutants.

TN05130206 003 - 1360	BROWNS FORK	Robertson	6.2	Escherichia coli	H	Pasture Grazing	Stream is Category 5. (One or more uses impaired.)
TN05130206 003 - 1550	MILLERS CREEK	Robertson	3.5	Loss of biological integrity due to siltation	L	Land Development	Stream is Category 5. (One or more uses impaired.)
TN05130206 003 - 3000	SULPHUR FORK	Robertson	1.9	Low Dissolved Oxygen Total Phosphorus Loss of biological integrity due to siltation Escherichia coli	M M L H	Municipal Point Source Discharges from MS4 area	Stream is Category 5. (One or more uses impaired.)
TN05130206 003 - 4000	SULPHUR FORK	Robertson	8.6	Escherichia coli	H	Discharges from MS4 area	Stream is Category 5. (One or more uses impaired.)
TN05130206 019 - 0321	FREY BRANCH	Robertson	7.2	Nitrate+Nitrite Total Phosphorus Loss of biological integrity due to siltation Escherichia coli	M M L NA	Municipal Point Source Unrestricted Cattle Access	Category 5. EPA approved a pathogen TMDL that addresses some of the known pollutants.
TN05130206 019 - 1000	SOUTH FORK RED RIVER	Robertson	12.9	Escherichia coli	H	Pasture Grazing	Stream is Category 5. (One or more uses impaired.)
TN05130206 024 - 0150	SUMMERS BRANCH	Robertson Sumner	12.6	Nitrate+Nitrite Total Phosphorus Loss of biological integrity due to siltation Escherichia coli	M M M NA	Municipal Point Source Urbanized High Density Area Pasture Grazing	Impacts include Portland STP. Category 5. EPA approved a pathogen TMDL that addresses some of the known pollutants.
TN05130206 024 - 1000	RED RIVER	Robertson	6.6	Total Phosphorus Loss of biological integrity due to siltation Alteration of stream-side or littoral vegetation	M L L	Pasture Grazing Nonirrigated Crop Production	Stream is Category 5. (One or more uses impaired.)
TN05130206 034 - 0300	NOAHS SPRING BRANCH	Montgomery	2.8	Unknown Toxicity	L	Undetermined Source Source in Other State	Stream is Category 5. (One or more uses impaired.)

Draft Version 2016 303(d) LIST (Red River Watershed [continued](#))

Waterbody ID	Impacted Waterbody	County	Miles/Acres Impaired	CAUSE (Pollutant)	Pollutant Source	COMMENTS	
TN05130206 034 - 1000	LITTLE WEST FORK	Montgomery	9.9	Total Phosphorus Loss of biological integrity due to siltation Low Dissolved Oxygen	M L M	Municipal Point Source NPS Pollution from Military Bases	Stream is Category 5. (One or more uses impaired.)
TN05130206 034 - 2000	LITTLE WEST FORK	Montgomery	3.31	Loss of biological integrity due to siltation	L	NPS Pollution from Military Bases	Stream is Category 5. (One or more uses impaired.)
TN05130206 039 - 0100	SPRING CREEK	Montgomery	8.9	Loss of biological integrity due to siltation Total Phosphorus Nitrate+Nitrite	L L M	Discharges from MS4 area Nonirrigated Crop Production	Stream is Category 5. (One or more uses impaired.)

TN05130206 039 - 0110	UNNAMED TRIB TO SPRING CREEK	Montgomery	5.38	Alteration of stream-side or littoral vegetation L Total Phosphorus M	Nonirrigated Crop Production	Stream is Category 5. (One or more uses impaired.)
TN05130206 039 - 0150	SPRING CREEK	Montgomery	22.5	Loss of biological integrity due to siltation L Total Phosphorus M Nitrate+Nitrite M Alteration of stream-side or littoral vegetation L	Nonirrigated Crop Production Land Development Sources Outside State	Stream is Category 5. (One or more uses impaired.)
TN05130206 039 - 1000	WEST FORK RED RIVER	Montgomery	10.2	Loss of biological integrity due to siltation L Nitrate+Nitrite M Total Phosphorus M Other Anthropogenic Habitat Alterations L	Land Development Discharges from MS4 Area	Stream is Category 5. (One or more uses impaired.)

North Fork Holston River

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

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	Stream is Category 5. Provides habitat for the federally listed mussel, five- rayed pigtoe (<i>Fusconaia cuneolus</i>) and fish, spotfin chub (<i>Cyprinella monacha</i>). Advisory due to Hg historically discharged by Olin in Saltville, VA. EPA/VA should do TMDL.

South Fork Holston River

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

Waterbody ID	Impacted Waterbody	County	Miles/Acres Impaired	CAUSE / TMDL Priority	Pollutant Source	COMMENTS
TN06010102 001 – 0100	MADD BRANCH	Sullivan	2.7	Physical Substrate Habitat Alterations NA Escherichia coli H	Discharges from MS4 area Channelization	Category 5. EPA approved a habitat alteration TMDL for the known pollutant.
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), but flow alteration is 4c (impact not caused by a pollutant). Additional TMDLs needed.
TN06010102 001 – 2000	SOUTH FORK HOLSTON RIVER	Sullivan	2.4	Low dissolved oxygen L Habitat loss due to stream Flow alterations NA Temperature Alterations L	Upstream Impoundment	Category 5 (one or more uses impaired), but flow alteration is 4c (impact not caused by a pollutant).

TN06010102 003 – 0100	MILL CREEK	Sullivan	6.6	Escherichia coli <u>Alteration in stream-side or littoral vegetative cover</u> L	H	Pasture Grazing	Stream is Category 5. (One or more uses impaired.) <u>TMDLs needed.</u>
TN06010102 003 – 0200	UNNAMED TRIB TO HORSE CREEK	Sullivan Washington	3.8	<u>Alteration in stream-side —or littoral vegetative cover</u> L Escherichia coli H	H	Pasture Grazing	Stream is Category 5. (One or more uses impaired.) <u>TMDL needed.</u>
<u>TN06010210 2003_0300</u>	<u>FALL BRANCH</u>	<u>Washington</u>	<u>3.4</u>	<u>Escherichia coli</u> H <u>Alteration in stream-side or littoral vegetative cover</u> L	H	<u>Pasture Grazing</u>	<u>Stream is Category 5. (One or more uses impaired.) TMDLs needed.</u>
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	L	Pasture Grazing	Stream is Category 5. (One or more uses impaired.) <u>TMDLs needed.</u>
TN06010102 003 – 0410	LYNCH BRANCH	Sullivan	3.06	Escherichia coli <u>Alteration in stream-side or littoral vegetative cover</u> L	H	Pasture Grazing	Stream is Category 5. (One or more uses impaired.) <u>TMDLs needed.</u>
<u>TN06010102 003_0420</u>	<u>BLAIR GAP BRANCH</u>	<u>Sullivan</u>	<u>2.73</u>	<u>Escherichia coli</u> H	H	<u>Pasture Grazing</u>	<u>Stream is Category 5. (One or more uses impaired.) TMDL needed.</u>
TN06010102 003 – 0500	BEAR CREEK	Sullivan	4.6	Alteration in stream-side or littoral vegetative cover L Escherichia coli H	L H	Pasture Grazing	Stream is Category 5. (One or more uses impaired.) <u>TMDLs needed.</u>
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	L L H	Pasture Grazing Discharges from MS4 area	Stream is Category 5. (One or more uses impaired.) <u>TMDLs needed.</u>
TN06010102 003 – 1000	HORSE CREEK	Sullivan	3.1	Alteration in stream-side or littoral vegetative cover L	L	Discharges from MS4 area	Stream is Category 5. (One or more uses impaired.) <u>TMDL needed.</u>
<u>TN06010102 003_2000</u>	<u>HORSE CREEK</u>	<u>Sullivan</u>	<u>6.47</u>	<u>Escherichia coli</u> H	H	<u>Pasture Grazing</u>	<u>Stream is Category 5. (One or more uses impaired.) TMDL needed.</u>
TN06010102 003 – 3000	HORSE CREEK	Sullivan	4.35	Escherichia coli H	H	Pasture Grazing	Stream is Category 5. (One or more uses impaired.) <u>TMDL needed.</u>
TN06010102 004T – 0100	RUSSELL CREEK	Sullivan	5.5	Escherichia coli H	H	Pasture Grazing	Stream is Category 5. (One or more uses impaired.) <u>TMDL needed.</u>
TN06010102 006 – 1000	BOONE RESERVOIR	Washington Sullivan	1968 ac	PCBs Chlordane	NA NA	Contaminated Sediment	Fishing advisory due to PCBs. Category 4a. EPA approved a chlordane and PCB TMDL for the known pollutants.

Waterbody ID	Impacted Waterbody	County	Miles/Acres Impaired	CAUSE / TMDL Priority	Pollutant Source	COMMENTS
TN06010102 006T – 0100	GAMMON CREEK	Sullivan	3.8	Alteration in stream-side or littoral vegetative cover NA Nitrate+Nitrite M Low Dissolved Oxygen M Loss of biological integrity due to siltation NA Escherichia coli H	Channelization Discharges from MS4 area Pasture Grazing	Category 5. Impaired, but EPA approved a siltation/habitat alteration TMDL for some of the known pollutants. Additional TMDLs needed.
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. Impaired, but EPA approved siltation/habitat alteration and pathogen TMDLs for the known pollutants.
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. Impaired, but EPA approved a siltation/habitat alteration and pathogen TMDLs for the known pollutants.
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. Impaired, but EPA approved a siltation/habitat alteration and pathogen TMDLs for the known pollutants.
TN06010102 012 – 0200	PADDLE CREEK	Sullivan	4.44	Alteration in stream-side or littoral vegetative cover NA	Pasture Grazing	Category 4a. EPA approved a habitat alteration TMDL for the known pollutants.
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. Impaired, but EPA approved a siltation/habitat alteration and pathogen TMDLs for the known pollutants.
TN06010102 012 – 0400	MORRELL CREEK	Sullivan	4.89	Escherichia coli NA	Pasture Grazing	Category 4a. Approved pathogen TMDL for the known pollutant.
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.

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Waterbody ID	Impacted Waterbody	County	Miles/Acres Impaired	CAUSE / TMDL Priority	Pollutant Source	COMMENTS
TN06010102 012 – 0800	INDIAN CREEK	Sullivan	1.86	Alteration in stream-side —or littoral vegetative cover—NA	Land Development	Category 4a. EPA approved siltation/habitat alteration

						<u>TMDL for the known pollutants.</u>
TN06010102 012 – 0810	BIG ARM BRANCH	Sullivan	5.77	Alteration in stream-side or littoral vegetative cover NA Loss of biological integrity NA due to siltation H <u>Escherichia coli</u> H	<u>Discharges from MS4 area Land Development Septic Tanks</u>	Category 5 <u>4a</u> . EPA approved a siltation/habitat alteration TMDL for the known pollutants. <u>Pathogen TMDL still needed.</u>
<u>TN06010102</u> <u>012 – 0820</u>	<u>BOOHER BRANCH</u>	<u>Sullivan</u>	<u>2.0</u>	<u>Escherichia coli</u> H	<u>Pasture Grazing</u>	<u>Category 5. TMDL needed.</u>
TN06010102 012 – 08 <u>3</u> 20	WOODS BRANCH	Sullivan	3.05	Alteration in stream-side or littoral vegetative cover NA Loss of biological integrity NA due to siltation NA Escherichia coli NA	Discharges from MS4 Area <u>Pasture Grazing</u>	Category 4a. Impaired, but EPA approved <u>siltation/habitat alteration and a pathogen TMDLs for one of the known pollutants. This segment is also covered by the existing HUC-12 based siltation/habitat alterations TMDL approved by EPA on 8/14/2006.</u>
TN06010102 012 – 0900	WEAVER BRANCH	Sullivan	5.9	<u>Nitrate+Nitrite</u> L <u>Alteration in stream-side or littoral vegetative cover</u> NA Escherichia coli NA	Pasture Grazing	Category 5 <u>4a</u> . EPA approved a pathogen TMDL for the known pollutant. This segment is also covered by the existing HUC-12 based siltation/habitat alterations TMDL approved by EPA on 8/14/2006. Additional TMDL needed.
TN06010102 012 – 1000	SOUTH FORK HOLSTON RIVER	Sullivan	12.9	Flow alterations NA Temperature Alterations L	Upstream Impoundment	Category 5, but flow alteration is <u>4c</u> (impact 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, but flow alteration is <u>4c</u> (impact 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	Fishing advisory due to mercury. Category 5. EPA should take lead on TMDLs that involve atmospheric <u>mercury</u> deposition.
<u>TN06010102</u> <u>0231.0-0200</u>	<u>BIRCH BRANCH</u>	<u>Johnson</u>	<u>4.39</u>	<u>Threatened by</u> <u>Low pH</u> L	<u>Atmospheric Deposition/Natural</u>	<u>Birch Branch is a high elevation trib to Beaverdam Creek in Cherokee National Forest. Biology is good, but pH criterion was violated in multiple observations.</u>

Atmospheric deposition is suspected, although natural rock formations cannot be ruled out. Monitoring needed.

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Waterbody ID	Impacted Waterbody	County	Miles/Acres Impaired	CAUSE / TMDL Priority	Pollutant Source	COMMENTS
TN06010102 0231.0–2000	BEAVERDAM CREEK	Johnson	6.5	Physical Substrate Habitat Alteration Escherichia coli L H	Pasture Grazing Nonirrigated Crop Production	Category 5. TMDLs needed.
TN06010102 0250 – 08700	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. TMDLs needed.
TN06010102 0250 – 09800	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. TMDLs needed.
<u>TN06010102</u> <u>0250 – 1200</u>	<u>SHINGLETOWN</u> <u>BRANCH</u>	<u>Johnson</u>	<u>3.94</u>	<u>Loss of biological integrity</u> <u>due to siltation</u> L <u>Escherichia coli</u> —H	<u>Pasture Grazing</u>	<u>Category 5. TMDLs needed.</u>
TN06010102 0250 – 14300	WATERS BRANCH	Johnson	1.83	Loss of biological integrity due to siltation L	Pasture Grazing	Category 5. TMDLs needed.
TN06010102 0250 – 2000	LAUREL CREEK	Johnson	3.8	Escherichia coli NA	Pasture Grazing	Category 4a. Impaired, but EPA approved a pathogen TMDL for the known pollutant.
TN06010102 041 – 0400_0150	<u>PAPERVILLE/</u> <u>SINKING CREEK</u>	Sullivan	<u>3.79</u>	Loss of biological integrity due to siltation L	<u>Discharges from MS4 area</u> <u>Land Development</u>	<u>Downstream Paperville Creek is fully supporting. Upstream Sinking Creek is impaired. Reindexed. Category 5. TMDL needed.</u>
TN06010102 042 – 0200	BACK CREEK	Sullivan	14.1	Nitrate+Nitrite Loss of biological integrity due to siltation Physical Substrate Habitat Alterations Escherichia coli M NA NA NA	Discharges from MS4 area Pasture Grazing Unrestricted Cattle Access Channelization	Category 5. (One or more uses impaired.) EPA approved siltation/habitat alteration and pathogen TMDLs for some of the known pollutants.
TN06010102 042 – 0400	LITTLE CREEK	Sullivan	0.3	Total Phosphorus Alteration in stream-side or littoral vegetative cover <u>NA</u> Loss of biological integrity M	Discharges from MS4 area Channelization Sources Outside State Borders	Category 5 <u>4a</u> . The stream is impaired for one or more uses. Almost the entire watershed for Little Creek is in Virginia. Virginia has an approved

				due to siltation NA Physical Substrate Habitat Alterations NA Escherichia coli NAH		pathogen TMDL for this watershed. <u>This segment is also covered by the existing HUC-12 based siltation/habitat alterations TMDL approved by EPA on 8/14/2006. TMDL needed.</u>
TN06010102 042 – 0500	CEDAR CREEK	Sullivan	11.8	Nitrate+Nitrite M Loss of biological integrity due to siltation NA Other Anthropogenic Habitat Alterations NA Escherichia coli NA	Discharges from MS4 Area <u>Land Development</u>	Category 5 <u>4a</u> . (One or more uses impaired.) However, EPA approved siltation/habitat alteration and pathogen TMDLs for some of the known pollutants.
TN06010102 042 – 1000	BEAVER CREEK	Sullivan	11.1	Nitrate+Nitrite M Escherichia coli NA	Discharges from MS4 Area Pasture Grazing	Water contact advisory. Category 5. EPA approved a pathogen TMDL for some of the known pollutants.

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Waterbody ID	Impacted Waterbody	County	Miles/Acres Impaired	CAUSE / TMDL Priority	Pollutant Source	COMMENTS
TN06010102 042 – 2000	BEAVER CREEK	Sullivan	10.5	Alteration in stream-side or littoral vegetative cover NA Nitrate+Nitrite M Loss of biological integrity due to siltation NA Escherichia coli NA	Channelization Pasture Grazing Discharges from MS4 Area Sources Outside State Borders	Water contact advisory. Pathogen levels higher at the stateline than further downstream. Category 5. EPA approved siltation/habitat alteration and pathogen TMDLs for some of the known pollutants.
TN06010102 045 – 1000	FALL CREEK	Sullivan	6.25	Alteration in stream-side or littoral vegetative cover L Loss of biological integrity due to siltation L Escherichia coli H	Discharges from MS4 area <u>Pasture Grazing</u>	Stream is Category 5. (One or more uses impaired.) <u>TMDLs needed.</u>
<u>TN06010102 045_2000</u>	<u>FALL CREEK</u>	<u>Sullivan</u>	<u>15.72</u>	<u>Escherichia coli H</u>	<u>Discharges from MS4 Area</u>	<u>Category 5. TMDLs needed.</u>
TN06010102 046 – 0100	TRANBARGER BRANCH	Sullivan	1.4	Other Anthropogenic Habitat Alterations NA Escherichia coli H	Discharges from MS4 Area	Category 4a. EPA approved a habitat alteration TMDL for the known pollutant.
TN06010102 046 – 0200	GRAVELLY CREEK	Sullivan	4.9	Alterations in stream-side or littoral vegetative cover NA Nitrate+Nitrite M	Discharges from MS4 Area	Stream is Category 5. (One or more uses impaired.) <u>This segment is also covered by the existing HUC-12 based siltation/habitat alterations TMDL approved by EPA on 8/14/2006. Additional TMDLs</u>

						needed.
TN06010102 046 – 0400	MILLER BRANCH	Sullivan	2.15	Loss of biological integrity due to siltation NA Escherichia coli H	Discharges from MS4 Area	Stream is Category 5. (One or more uses impaired.) This segment is also covered by the existing HUC-12 based siltation/habitat alterations TMDL approved by EPA on 8/14/2006. Additional TMDLs needed.
TN06010102 046 – 0500	UNNAMED TRIB TO REEDY CREEK	Sullivan	1.8	Physical substrate habitat alterations NA Loss of biological integrity due to siltation NA Other Anthropogenic Habitat Alterations NA Escherichia coli H	Discharges from MS4 Area	Stream is Category 5. (One or more uses impaired.) This segment is also covered by the existing HUC-12 based siltation/habitat alterations TMDL approved by EPA on 8/14/2006. Additional TMDL needed.
TN06010102 046 – 0600	UNNAMED TRIB TO REEDY CREEK	Sullivan	3.88	Alterations in stream-side or littoral vegetative cover NA Loss of biological integrity due to siltation NA Escherichia coli H	Discharges from MS4 Area	Stream is Category 5. (One or more uses impaired.) This segment is also covered by the existing HUC-12 based siltation/habitat alterations TMDL approved by EPA on 8/14/2006. Additional TMDL needed.
TN06010102 046 – 0700	CLARK BRANCH	Sullivan	3.75	Loss of biological integrity due to siltation NA Escherichia coli H	Discharges from MS4 Area	Stream is Category 5. (One or more uses impaired.) This segment is also covered by the existing HUC-12 based siltation/habitat alterations TMDL approved by EPA on 8/14/2006. Additional TMDL needed.
TN06010102 046 – 0800	GAINES BRANCH	Sullivan	2.7	Alterations in stream-side or littoral vegetative cover NA Loss of biological integrity due to siltation NA Escherichia coli H	Discharges from MS4 Area Pasture Grazing Specialty Crop Production	Stream is Category 5. (One or more uses impaired.) This segment is also covered by the existing HUC-12 based siltation/habitat alterations TMDL approved by EPA on 8/14/2006. Additional TMDL needed.
TN06010102 046 – 0900	TIMBERTREE BRANCH	Sullivan	1.92	Loss of biological integrity due to siltation L Alterations in stream-side or littoral vegetative cover L Escherichia coli H	Pasture Grazing	Stream is Category 5. (One or more uses impaired.) TMDL needed.

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Waterbody ID	Impacted Waterbody	County	Miles/Acres Impaired	CAUSE / TMDL Priority	Pollutant Source	COMMENTS
TN06010102 046 – 1000	REEDY CREEK	Sullivan	5.42	Loss of biological integrity due to siltation <u>NA</u> Other Anthropogenic Habitat Alterations <u>NA</u> Escherichia coli H	Discharges from MS4 Area	Category 54a . EPA approved a siltation/habitat alteration TMDL for the known pollutants.
TN06010102 046 – 1200	UNNAMED TRIB TO REEDY CREEK	Sullivan	1.74	Flow Alterations NA	Upstream Impoundment	Category 4c. Flow alterations below an impoundment are impacts not caused by a pollutant.
<u>TN06010102 046_2000</u>	<u>REEDY CREEK</u>	<u>Sullivan</u>	<u>7.99</u>	<u>Escherichia coli</u> H	<u>Pasture Grazing Discharges from MS4 Area</u>	<u>Stream is Category 5. (One or more uses impaired.) TMDL needed.</u>
TN06010102 046 – 3000	REEDY CREEK	Sullivan	6.0	Alterations in stream-side or littoral vegetative cover <u>NA</u> <u>Escherichia coli</u> H	Pasture Grazing	Stream is Category 5. (One or more uses impaired.) <u>This segment is also covered by the existing HUC-12 based siltation/habitat alterations TMDL approved by EPA on 8/14/2006. Additional TMDL needed.</u>
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	Stream is Category 5. (One or more uses impaired.) <u>TMDLs needed.</u>
TN06010102 047 – 0200	RED RIVER	Washington	6.6	Escherichia coli H	Pasture Grazing	Stream is Category 5. (One or more uses impaired.) <u>TMDL needed.</u>
<u>TN06010102 057_0100</u>	<u>KENDRICK CREEK UNNAMED TRIBUTARY</u>	<u>Washington</u>	<u>7</u>	<u>Escherichia coli</u> H	<u>Pasture Grazing</u>	<u>Stream is Category 5. (One or more uses impaired.) TMDL needed.</u>
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	Stream is Category 5. (One or more uses impaired.) <u>TMDLs needed.</u>
TN06010102 0540 – 0800	PAINTER 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. Impaired, but EPA approved a siltation/habitat alteration and pathogen TMDL for the known pollutants.
TN06010102 237 – 0100	BOOHER CREEK	Sullivan	7.2	Escherichia coli H	Pasture Grazing	Stream is Category 5. (One or more uses impaired.)
<u>TN06010102 237 – 0110</u>	<u>ROBINSON CREEK</u>	<u>Sullivan</u>	<u>3.3</u>	<u>Alterations in stream-side or littoral vegetative cover</u> NA	<u>Pasture Grazing</u>	<u>Stream is Category 5. (One or more uses impaired.) This</u>

				Escherichia coli H		segment is also covered by the existing HUC-12 based siltation/habitat alterations TMDL approved by EPA on 8/14/2006. Additional TMDL needed.
TN06010102 237 – 1000	MUDDY CREEK	Sullivan	12.3	Escherichia coli H	Pasture Grazing	Category 5. TMDL needed.
TN06010102 702 – 0100	POSSUM CREEK	Washington	3.9	Nitrate+Nitrite Alterations in stream-side or littoral vegetative cover L Escherichia coli H	Discharges from MS4 Area Pasture Grazing	Stream is Category 5. (One or more uses impaired.) TMDLs needed.
TN06010102 702 – 1000	CEDAR CREEK	Washington	10.1	Nitrate+Nitrite 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	Stream is 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	Stream is 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 NA Chlordane NA	Contaminated Sediment	Fishing advisory due to PCBs. Category 4a. EPA approved a PCB/chlordane TMDL for the known pollutants.
TN06010103 001T – 0100	DARR CREEK	Washington Sullivan	3.85	Loss of biological integrity due to siltation NA Alteration in stream-side or littoral vegetative cover NA Escherichia coli H	Pasture Grazing	Category 5. EPA approved a habitat/siltation TMDL that addresses some of the known pollutants.
TN06010103 006 – 0100	CARROLL CREEK	Washington	4.3	Nitrate+Nitrite M Loss of biological integrity due to siltation NA Alteration in stream-side or littoral vegetative cover NA Escherichia coli H	Discharges from MS4 area Pasture Grazing	Category 5. EPA approved a habitat/siltation TMDL that addresses some of the known pollutants.
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	Discharges from MS4 area Pasture Grazing Land Development	Stream is Category 5. EPA approved pathogen and habitat/siltation TMDLs that address some of the known pollutants.

				Escherichia coli	NA		
TN06010103 008 – 0200	CAMPBELL BRANCH	Carter	3.0	Nitrate+Nitrite Loss of biological integrity due to siltation Alteration in stream-side or littoral vegetative cover	ML NA NA	Discharges from MS4 area	Stream is Category 5. EPA approved pathogen and siltation TMDLs that address some of the known pollutants. TMDL Vision Priority Watershed
TN06010103 008 – 0400	DAVIS BRANCH	Carter	5.9	Flow Alteration Alteration in stream-side or littoral vegetative cover Escherichia coli	NA NA H	Discharges from MS4 area Upstream Impoundment Pasture Grazing	Stream is Category 4a. EPA approved a habitat/siltation TMDL that addresses the known pollutants.
TN06010103 008 – 0800	GAP CREEK	Carter	15.93	Nitrate+Nitrite Loss of biological integrity due to siltation Alteration in stream-side or littoral vegetative cover Escherichia coli	L NA NA H	Discharges from MS4 area Streambank Modification Septic Tanks Pasture Grazing	Category 5. EPA approved a habitat/siltation TMDL that addresses some of the known pollutants.
TN06010103 008 – 1000	WATAUGA RIVER	Washington Carter	7.93	Undetermined Cause	L	Discharges from MS4 area Upstream Impoundment	Stream is Category 5. (One or more uses impaired.)
TN06010103 008 – 2000	WATAUGA RIVER	Washington Carter	9.3	Undetermined Cause	L	Discharges from MS4 area Upstream Impoundment	Stream is Category 5. (One or more uses impaired.)
TN06010103 008 – 3000	WATAUGA RIVER	Carter	4.4	Temperature Alterations	L	Upstream Impoundment	Stream is Category 5. (One or more uses impaired.)

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

Waterbody ID	Impacted Waterbody	County	Miles/Acres Impaired	CAUSE / TMDL Priority	Pollutant Source	COMMENTS
TN06010103 009 – 1000	BRUSH CREEK	Washington	20.3	Nitrate+Nitrite Loss of biological integrity due to siltation Other Anthropogenic Habitat Alterations Escherichia coli	M NA NA H	Discharges from MS4 area Stream is Category 5. EPA approved a habitat/siltation TMDL that addresses some of the known pollutants.
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	M NA NA H	Pasture Grazing Stream is Category 5. (One or more uses impaired.) EPA approved a habitat/siltation TMDL that addresses some of the known pollutants.
TN06010103 011 – 0200	TOLL BRANCH	Carter	6.5	Escherichia coli	H	Pasture Grazing Stream is Category 5. (One or more uses impaired.)
TN06010103 011 – 1000	BUFFALO CREEK	Carter Unicoi	6.08	Escherichia coli	H	Pasture Grazing Stream is Category 5. (One or more uses impaired.)
TN06010103 013 – 0600	ROARING CREEK	Carter	11.9	Iron	L	Upstream Impoundment Stream is Category 5. (One or more uses impaired.)

TN06010103 013 – 0811	GOUGE BRANCH	Carter	1.36	Loss of biological integrity due to siltation	L	Land Development Pasture Grazing	Stream is Category 5. (One or more uses impaired.)
TN06010103 020 – 1000	WATAUGA LAKE	Carter Johnson	6427 ac	Mercury	L	Atmospheric Deposition	Fishing advisory due to mercury. Category 5. EPA should take the lead on TMDLs that involve atmospheric mercury deposition.
TN06010103 020T – 0200	SINK BRANCH	Johnson	3.14	Nitrate+Nitrite Alteration in stream-side or littoral vegetative cover	M NA NA	Pasture Grazing	Stream is Category 5. EPA approved habitat/pathogen TMDLs that address some of the known pollutants.
TN06010103 034 – 0300	TOWN CREEK	Johnson	3.0	Nitrate+Nitrite Alteration in stream-side or littoral vegetative cover Escherichia coli	M L NA	Land Development Urbanized High Density Area Pasture Grazing Collection System Failure Municipal Point Source	This stream is Category 5. EPA has approved a pathogen TMDL that addresses some of the known pollutants.
TN06010103 034 – 0311	CROOKED BRANCH	Johnson	6.6	Alteration in stream-side or littoral vegetative cover	L	Land Development Pasture Grazing	Stream is Category 5. (One or more uses impaired.)
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. EPA approved a siltation TMDL that addresses some of the known pollutants.

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

Waterbody ID	Impacted Waterbody	County	Miles/Acres Impaired	CAUSE / TMDL Priority	Pollutant Source	COMMENTS	
TN06010103 034 – 0400	FORGE CREEK	Johnson	33.7	Alteration in stream-side or littoral vegetative cover Loss of biological integrity due to siltation	L M	Pasture Grazing Off-Road Vehicles	Stream is Category 5. (One or more uses impaired.)
TN06010103 034 – 1000	ROAN CREEK	Johnson	6.8	Nitrate+Nitrite Loss of biological integrity due to siltation	<u>L</u> NA	Municipal Point Source Pasture Grazing Nonirrigated Crop Production	Category 5. EPA approved TMDL addresses siltation. TMDL Vision Priority Watershed
TN06010103 034 – 2000	ROAN CREEK	Johnson	6.0	Nitrate+Nitrite Loss of biological integrity due to siltation Escherichia coli	<u>L</u> NA NA	Municipal Point Source Pasture Grazing	Category 5. EPA approved siltation and pathogen TMDLs that address some of the known pollutants. TMDL Vision Priority Watershed
TN06010103 046 – 0100	CATBIRD CREEK	Washington Carter	5.7	Loss of biological integrity due to siltation	M	Discharges from MS4 area	Category 5. TMDL needed.
TN06010103 046 – 1000	SINKING CREEK	Washington Carter	10.0	Escherichia coli	NA	Discharges from MS4 area Pasture Grazing	Water contact advisory. Category 4a. EPA approved a pathogen TMDL that

						addresses the known pollutant.	
TN06010103 061 – 1000	REEDY CREEK	Washington	10.7	Escherichia coli	H	Discharges from MS4 area Pasture Grazing	Stream is Category 5. EPA approved a siltation TMDL that addresses some of the known pollutants.
TN06010103 635 – 0100	CASH HOLLOW CREEK	Washington	3.48	Alteration in stream-side or littoral vegetative cover Escherichia coli	NA NA	Discharges from MS4 area	Water contact advisory. Category 4a. EPA approved habitat and pathogen TMDLs that address the known pollutant.
TN06010103 635 – 0200	COBB CREEK	Washington	4.5	Alteration in stream-side or littoral vegetative cover Loss of biological integrity due to siltation Escherichia coli	NA NA H	Discharges from MS4 area	Category 4a. EPA approved a habitat/siltation TMDL that addresses the known pollutants.
TN06010103 635 – 1000	KNOB CREEK	Washington	12.3	Alteration in stream-side or littoral vegetative cover Nitrate+Nitrite Loss of biological integrity due to siltation Escherichia coli	NA M NA NA	Discharges from MS4 area Pasture Grazing	Category 5. EPA approved habitat/siltation and pathogen TMDLs that address some of the known pollutants.

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 Loss of biological integrity due to siltation Other Anthropogenic Habitat Alterations Escherichia coli	M L L H	Discharges from MS4 area	Stream is Category 5. (One or more uses impaired.)
TN06010104 001 - 0500	ROSEBERRY CREEK	Knox	20.0	Escherichia coli	NA	Pasture Grazing Septic Tanks	Category 5. EPA approved a pathogen TMDL that addresses the known pollutant.
TN06010104 001 - 0800	LOST CREEK	Jefferson	26.8	Nitrate+Nitrite Loss of biological integrity due to siltation Escherichia coli	M L NA	Pasture Grazing Septic Tanks	Category 5. Approved pathogen TMDL addresses some of the known pollutants.
TN06010104 001 - 0900	BEAVER CREEK	Jefferson	21.0	Alteration in stream-side or littoral vegetative cover Escherichia coli	L NA	Pasture Grazing	Category 4a. EPA approved a pathogen TMDL that addresses the known pollutant.
TN06010104 001 - 1400	SWANPOND CREEK	Knox	16.3	Loss of biological integrity due to siltation Alteration in stream-side	L	Channelization Discharges from MS4 Area	Category 5. EPA approved a pathogen TMDL that addresses some of the known

				or littoral vegetative cover Escherichia coli	L NA		pollutants.
TN06010104 001 – 2000	HOLSTON RIVER	Grainger Jefferson	26.9	Low DO Flow alteration	L NA	Upstream Impoundment	Below Cherokee Reservoir. Category 5, flow alteration is 4c (impact not caused by a pollutant). 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. Assistance from EPA is needed for TMDLs which include atmospheric mercury deposition.
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.)
TN06010104 004T - 0800	STONE MOUNTAIN BRANCH	Hawkins	2.11	Loss of biological integrity due to siltation Escherichia coli	L H	Pasture Grazing Undetermined Source	Stream is Category 5. (One or more uses impaired.)
TN06010104 004T - 0900	RENFROE CREEK	Hawkins	6.9	Escherichia coli	H	Pasture Grazing	Stream is Category 5. (One or more uses impaired.)
TN06010104 004T - 1100	STOCK CREEK	Hawkins	4.2	Alteration in stream-side or littoral vegetative cover	L	Pasture Grazing	Stream is Category 5. (One or more uses impaired.)

Draft Version 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 Loss of biological integrity due to siltation Escherichia coli	L L NA	Pasture Grazing Category 4a. EPA approved a pathogen TMDL that addresses the known pollutant.
TN06010104 004T - 1300	CROCKETT CREEK	Hawkins	5.3	Alteration in stream-side or littoral vegetative cover Loss of biological integrity due to siltation Escherichia coli	L L NA	Discharges from MS4 area Category 5. EPA approved a pathogen TMDL that addresses some of the known pollutants.
TN06010104 004T - 1510	THREE FORKS BRANCH	Hawkins	1.96	Alteration in stream-side or littoral vegetative cover Escherichia coli	L H	Pasture Grazing Stream is Category 5. (One or more uses impaired.)
TN06010104 004T - 1610	WALKER BRANCH	Hawkins	1.53	Escherichia coli	H	Pasture Grazing Stream is Category 5. (One or more uses impaired.)
TN06010104 004T - 1700	WAR CREEK	Hawkins	3.0	Escherichia coli	H	Pasture Grazing Stream is Category 5. (One or more uses impaired.)
TN06010104 004T - 1800	UNNAMED TRIB TO HOLSTON RIVER	Hawkins	1.61	Escherichia coli	H	Pasture Grazing Stream is Category 5. (One or more uses impaired.)

TN06010104 004T - 1900	FALL CREEK	Hamblen	8.07	Nitrate+Nitrite Total Phosphorus Alteration in stream-side or littoral vegetative cover Loss of biological integrity due to siltation Escherichia coli	M M L L H	Pasture Grazing	Stream is Category 5. (One or more uses impaired.)
TN06010104 004T - 2300	TURKEY CREEK	Hamblen	7.93	Loss of biological integrity due to siltation Alteration in stream-side or littoral vegetative cover Escherichia coli	L L NA	Collection System Failure Discharges from MS4 area	Water contact advisory due to pathogens. Category 5. EPA approved a pathogen TMDL that addresses some of the known pollutants.
TN06010104 004T - 2600	MOSSY CREEK	Jefferson	9.08	Zinc Loss of biological integrity due to siltation Escherichia coli	H L NA	Collection System Failure Discharges from MS4 area Subsurface Mining	Category 5. EPA approved a pathogen TMDL that addresses some of the known pollutants.
TN06010104 009 - 1000	JOHN SEVIER DETENTION RESERVOIR	Hawkins	1,024 ac	Mercury	L	Sources Outside the State Atmospheric Deposition	Category 5. Assistance from EPA is requested for TMDLs which include atmospheric mercury deposition.
TN06010104 011 - 0100	SINKING CREEK	Hawkins	2.7	Alteration in stream-side or littoral vegetative cover Escherichia coli	L NA	Pasture Grazing	Category 4a. EPA approved a pathogen TMDL that addresses the known pollutant.

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

Waterbody ID	Impacted Waterbody	County	Miles/Acres Impaired	CAUSE / TMDL Priority	Pollutant Source	COMMENTS
TN06010104 011 - 0200	WASHBOARD CREEK	Hawkins	1.32	Escherichia coli	H	Pasture Grazing Category 5.
TN06010104 011 - 0300	FORGEY CREEK	Hawkins	3.6	Nitrate+Nitrite Alteration in stream-side or littoral vegetative cover Escherichia coli	M L NA	Pasture Grazing Category 4a. EPA approved a pathogen TMDL that addresses the known pollutant.
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.
TN06010104 011 - 0500	STONE POINT CREEK	Hawkins	13.1	Alteration in stream-side or littoral vegetative cover Escherichia coli	L NA	Pasture Grazing Category 4a. EPA approved a pathogen TMDL that addresses the known pollutant.
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.
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.

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.
TN06010104 011 - 0900	ALEXANDER CREEK	Hawkins	1.0	Nitrate+Nitrite Escherichia coli	M NA	Discharges from MS4 area	Category 5. EPA approved a pathogen TMDL that addresses some of the known pollutants.
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.
TN06010104 011 - 1000	HOLSTON RIVER	Hawkins	14.6	Mercury	L	Sources Outside the State Atmospheric Deposition	Category 5. EPA assistance is requested for atmospheric mercury deposition TMDLs.
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.
TN06010104 011 - 1300	ARNOTT BRANCH	Hawkins	2.8	Loss of biological integrity due to siltation	L	Discharges from MS4 area	Category 5.
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 4a. EPA approved a pathogen TMDL that addresses the known pollutant.
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.

Draft Version 2016 303(d) LIST (Holston River Watershed [continued](#))

Waterbody ID	Impacted Waterbody	County	Miles/Acres Impaired	CAUSE / TMDL Priority	Pollutant Source	COMMENTS	
TN06010104 011 - 2000	HOLSTON RIVER	Hawkins	23.9	Mercury	L	Sources Outside the State Atmospheric Deposition	Category 5. EPA assistance is requested for atmospheric mercury deposition TMDLs.
TN06010104 015 - 0500	CANEY CREEK	Hawkins	10.7	Escherichia coli	H	Pasture Grazing	Category 5.
TN06010104 015 - 0600	STANLEY CREEK	Hawkins	7.7	Escherichia coli	H	Pasture Grazing	Category 5.
TN06010104 015 - 0700	UNNAMED TRIB TO BIG CREEK	Hawkins	2.28	Escherichia coli	H	Pasture Grazing	Category 5.
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.
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 Escherichia coli	M NA	Municipal Point Source Pasture Grazing	Category 5. EPA approved a pathogen TMDL that

						addresses a known pollutant.	
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.

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

Waterbody ID	Impacted Waterbody	County	Miles/Acres Impaired	CAUSE / TMDL Priority	Pollutant Source	COMMENTS	
TN06010105 001 - 0100	CLEAR CREEK	Cocke	28.0	Nitrate+Nitrite Escherichia coli	M NA	Municipal Point Source Pasture Grazing	Category 5. EPA approved a pathogen TMDL.
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.
TN06010105 001 - 1000	FRENCH BROAD RIVER	Cocke	4.08	Mercury	L	Atmospheric Deposition	Fishing advisory due to mercury in largemouth bass. Category 5. EPA assistance requested for atmospheric mercury TMDLs.
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.

Draft Version 2016 303(d) LIST (Upper French Broad River Watershed continued)

Waterbody ID	Impacted Waterbody	County	Miles/Acres Impaired	CAUSE / TMDL Priority	Pollutant Source	COMMENTS	
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.
TN06010106 001 - 1000	PIGEON RIVER-	Cocke	15.44	Unknown Toxicity	L	Irrigated Crop Production	Stream is Category 5. (One or more uses impaired.)
TN06010106 001 - 1100	ENGLISH CREEK	Cocke	15.3	Loss of biological integrity due to siltation Escherichia coli	L NA	Pasture Grazing	Category 5. Approved pathogen TMDL addresses some of the known pollutants.
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	Many observer comments about objectionable color, the lack of clarity, foaming, and disagreeable smells. Evergreen Packaging has been identified as the most significant source of color in this segment. Category 5.

							Flow alteration is 4C (not caused by a pollutant.)
TN06010106 002 – 0100	UNNAMED TRIB TO SINKING CREEK	Cocke	3.12	Flow Alterations Temperature Alterations	NA L	Upstream Impoundment	Randomly selected for Impounded Streams Study. Stream is Category 5, but flow alteration is 4C. (Impairment not caused by a pollutant.)
TN06010106 002 – 1000	SINKING CREEK	Cocke	4.8	Loss of biological integrity due to siltation Escherichia coli	L NA	Urbanized High Density Area	Category 5. Category 4a. EPA approved a pathogen TMDL that addresses the known pollutant.
TN06010106 004 - 0500	ROCK CREEK	Cocke	2.80	Low pH	NA	Undetermined Source	High elevation stream in Great Smoky Mountains National Park. Low pH source may be a combination of natural conditions (anakeesta) and atmospheric deposition. Category 4a. EPA approved a pH TMDL which addresses the known pollutant.

Draft Version 2016 303(d) LIST (Upper French Broad River Watershed [continued](#))

Waterbody ID	Impacted Waterbody	County	Miles/Acres Impaired	CAUSE / TMDL Priority	Pollutant Source	COMMENTS	
TN06010106 004 - 0610	INADU CREEK	Cocke	2.66	Low pH	NA	Undetermined Source	High elevation stream in Great Smoky Mountains National Park. Low pH source may be a combination of natural conditions (anakeesta) and atmospheric deposition. Category 4a. EPA approved a pH TMDL which addresses the known pollutant.
TN06010106 004 - 0810	OTTER CREEK	Cocke	1.52	Low pH	NA	Undetermined Source	High elevation stream in Great Smoky Mountains National Park. Low pH source may be a combination of natural conditions (anakeesta) and atmospheric deposition. Category 4a. EPA approved a pH TMDL which addresses the known pollutant.
TN06010106 004 - 0820	COPPERHEAD BRANCH	Cocke	1.13	Low pH	NA	Undetermined Source	High elevation stream in Great Smoky Mountains National

						Park. Low pH source may be a combination of natural conditions (anakeesta) and atmospheric deposition. Category 4a. EPA approved a pH TMDL which addresses the known pollutant.
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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 L Alteration in stream-side or littoral vegetation L	Pasture Grazing	Category 5. One or more uses impaired.
TN06010107 003 - 1000	BOYDS CREEK	Sevier	15.4	Escherichia coli NA	Pasture Grazing	Category 4a. Impaired, but EPA has approved a pathogen TMDL that addresses the known pollutants.

Draft Version 2016 303(d) LIST (Lower French Broad River continued)

Waterbody ID	Impacted Waterbody	County	Miles/Acres Impaired	CAUSE / TMDL Priority	Pollutant Source	COMMENTS
TN06010107 006 - 2000	FRENCH BROAD RIVER	Sevier	4.9	Low Dissolved Oxygen L Temperature Alterations L Flow Alteration NA	Upstream Impoundment	Habitat for the federally listed fish, the snail darter (<i>Percina tanasi</i>). Segment impacted by Douglas Reservoir releases (low DO and flow alteration). Category 5 (one or more uses impaired), but flow alteration is 4c (impact not caused by a pollutant). TVA has taken action to improve dissolved oxygen and flow conditions downstream of the dam.
TN06010107 007 - 0700	BUCK FORK	Sevier	3.8	Low pH NA	Undetermined Source	High elevation stream in Great Smoky Mountains National Park. Acidity source may be a combination of natural conditions (anakeesta) and Atmospheric deposition. Category 4a. EPA approved a pH TMDL which addresses the known pollutant.

TN06010107 007 - 0900	EAGLE ROCKS PRONG	Sevier	6.4	Low pH	NA	Atmospheric Deposition - Acidity	High elevation stream in Great Smoky Mountains National Park. Documented loss of native trout populations. Category 4a. EPA approved a pH TMDL which addresses the known pollutant.
TN06010107 007 - 1120	SHUTTS PRONG	Sevier	4.79	Low pH	NA	Undetermined Source	High elevation stream in Great Smoky Mountains National Park. Acidity source is likely a combination of natural conditions (anakeesta) and atmospheric deposition. Category 4a. EPA approved a pH TMDL which addresses the known pollutant.

Draft Version 2016 303(d) LIST (Lower French Broad River continued)

Waterbody ID	Impacted Waterbody	County	Miles/Acres Impaired	CAUSE / TMDL Priority	Pollutant Source	COMMENTS	
TN06010107 007 - 1130	LOWES CREEK	Sevier	2.22	Low pH	NA	Atmospheric Deposition - Acidity	High elevation stream in Great Smoky Mountains National Park. Documented loss of native trout populations. Category 4a. EPA approved a pH TMDL which addresses the known pollutant.
TN06010107 007 - 1140	CANNON CREEK	Sevier	3.72	Low pH	NA	Atmospheric Deposition - Acidity	High elevation stream in Great Smoky Mountains National Park. Documented loss of native trout populations. Category 4a. EPA approved a pH TMDL which addresses the known pollutant.
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	NA L H	Discharges from MS4 area Pasture Grazing	Stream is Category 5. (One or more uses impaired.)
TN06010107 007 - 1650	MIDDLE CREEK	Sevier	3.3	Chlorine Escherichia coli	L H	Discharges from MS4 area	Stream is Category 5. (One or more uses impaired.)
TN06010107 010 - 0100	GNATTY BRANCH	Sevier	1.8	Escherichia coli	NA	Septic Tanks	Category 4a. EPA approved a pathogen TMDL that addresses the known pollutant.
TN06010107	BEECH BRANCH	Sevier	1.46	Escherichia coli	NA	Septic Tanks	Water contact advisory.

010 – 0300						Category 4a. EPA approved a pathogen TMDL that addresses the known pollutant.
TN06010107 010 – 0400	DUDLEY CREEK	Sevier	5.7	Total Phosphorus Escherichia coli	M NA	Discharges from MS4 area Water contact advisory. Category 4a. EPA approved a pathogen TMDL that addresses the known pollutant.
TN06010107 010 - 0600	BASKINS CREEK	Sevier	1.3	Escherichia coli	NA	Discharges from MS4 area. Water contact advisory. Category 4a. EPA approved a pathogen TMDL that addresses the known pollutant.

Draft Version 2016 303(d) LIST (Lower French Broad River continued)

Waterbody ID	Impacted Waterbody	County	Miles/Acres Impaired	CAUSE / TMDL Priority	Pollutant Source	COMMENTS
TN06010107 010 - 1000	WEST PRONG LITTLE PIGEON RIVER	Sevier	8.1	Escherichia coli Loss of biological integrity due to siltation Total Phosphorus The trout stream portion of this segment is considered “threatened” by elevated water temperatures and low DO.	NA NA M	Septic Tanks Collection System Failure Land Development Channelization Municipal Point Source Discharges from MS4 Area Water contact advisory. Development between Sevierville and Pigeon Forge adding silt to river. Category 5. EPA has approved siltation and pathogen TMDLs that address some of the known pollutants.
TN06010107 010 - 1100	ROAD PRONG	Sevier	4.6	Low pH	NA	Undetermined Source High elevation stream in GSMNP. Acidity source may be a combination of natural anakeesta and atmospheric deposition. Category 4a. EPA approved a pH TMDL which addresses the known pollutant.
TN06010107 010 - 1800	MILL CREEK	Sevier	5.9	Escherichia coli	NA	Collection System Failure Discharges from MS4 area Category 4a. Impaired, but EPA approved a pathogen TMDL for the known pollutant.
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. EPA approved a pathogen TMDL for one of the known pollutants.
TN06010107 010 – 1920	COVE CREEK	Sevier	8.5	Escherichia coli	H	Septic Tanks Pasture Grazing Stream randomly selected for the Wadeable Streams Study. Stream is Category 5. One or more uses impaired.
TN06010107 010 - 1950	WALDEN CREEK	Sevier	8.6	Loss of biological integrity due to siltation Alteration in stream-side or littoral vegetative cover	NA NA	Pasture Grazing Land Development Category 4a. EPA approved a siltation/habitat alteration TMDL for the known pollutants.

TN06010107 010 - 1955	WALDEN CREEK	Sevier	8.5	Escherichia coli NA	Pasture Grazing	Category 4a. EPA approved a pathogen TMDL for the known pollutant.
TN06010107 010 - 2000	WEST PRONG LITTLE PIGEON RIVER	Sevier	5.7	Biological integrity loss due to undetermined cause Escherichia coli Total Phosphorus L NA M 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	Water contact advisory due to pathogens. Stream is Category 5. One or more uses impaired, but EPA approved a pathogen TMDL that addresses some of the known pollutants.

Draft Version 2016 303(d) LIST (Lower French Broad River continued)

Waterbody ID	Impacted Waterbody	County	Miles/Acres Impaired	CAUSE / TMDL Priority	Pollutant Source	COMMENTS
TN06010107 010 - 3000	WEST PRONG LITTLE PIGEON RIVER	Sevier	5.4	Total Phosphorus Escherichia coli M 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	Water contact advisory. Stream is Category 5. One or more uses impaired. EPA has approved a pathogen TMDL that addresses some of the known pollutants.
TN06010107 010 - 4000	WEST PRONG LITTLE PIGEON RIVER	Sevier	1.3	Escherichia coli H	Discharges from MS4 Area	Gatlinburg section. Stream is Category 5. One or more uses impaired.
TN06010107 025 - 0300	WILHITE CREEK	Sevier	4.23	Ammonia Solids L L	Municipal Point Source	Stream is Category 5. One or more uses impaired.
TN06010107 029T - 0700	CLAY CREEK	Cocke	22.3	Alteration in stream-side or littoral vegetative cover Escherichia coli L H	Pasture Grazing	Water contact advisory. Stream is Category 5. One or more uses impaired.
TN06010107 029T - 1200	CLEAR CREEK	Jefferson	3.3	Nitrate+Nitrite Escherichia coli M NA	Industrial Land Treatment Pasture Grazing	Category 4a. EPA approved a pathogen TMDL that addresses one of the known pollutants.
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.
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.) EPA approved a siltation/habitat alteration TMDL for some of the known pollutants.

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

Waterbody ID	Impacted Waterbody	County	Miles/Acres Impaired	CAUSE / TMDL Priority	Pollutant Source	COMMENTS
TN06010108 001 - 0100	FLAT CREEK	Hamblen	4.9	Escherichia coli NA	Pasture Grazing	Category 4a. EPA approved a pathogen TMDL for the known pollutant.
TN06010108 001 – 1000 & 2000	NOLICHUCKY RIVER	Hamblen Cocke	11.7	Loss of biological integrity due to siltation NA	Irrigated Crop Production	Category 4a. EPA approved a siltation TMDL for the known pollutant.
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 TMDL for the known pollutant. 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 NA Alteration in stream-side or littoral vegetative cover NA	Pasture Grazing	Category 4a. EPA approved a siltation/habitat alteration pathogen TMDL for the known pollutant.
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. EPA approved a siltation TMDL for some of the known pollutants.
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.
TN06010108 007 - 0100	LITTLE MEADOW CREEK	Greene Cocke	16.91	Escherichia coli NA	Unrestricted Cattle Access	Category 4a. Impaired, but EPA approved a pathogen TMDL for the known pollutant.
TN06010108 007 - 1000	MEADOW CREEK	Greene Cocke	23.4	Escherichia coli NA	Unrestricted Cattle Access	Category 4a. Impaired, but EPA approved a pathogen TMDL for the known pollutant.
TN06010108 009 - 0300	CEDAR CREEK	Greene	5.4	Loss of biological integrity due to siltation NA Alteration in stream-side or littoral vegetative cover L	Pasture Grazing	Category 4a. EPA approved a siltation TMDL for the known pollutant.
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 TMDL for the known pollutant.

Draft Version 2016 303(d) LIST (Nolichucky River Watershed [continued](#))

Waterbody ID	Impacted Waterbody	County	Miles/Acres Impaired	CAUSE / TMDL Priority	Pollutant Source	COMMENTS
TN06010108	COLLEGE CREEK	Greene	9.3	Loss of biological integrity	Pasture Grazing	Category 4a. EPA approved a

010 - 0300				due to siltation Other Anthropogenic Habitat Alterations Alteration in stream-side or littoral vegetative cover	NA NA NA	Land Development	siltation/habitat alteration TMDL for the known pollutants.
TN06010108 010 - 0400	MOON CREEK	Greene	8.7	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 the known pollutants.
TN06010108 010 - 0500	PUDDING CREEK	Greene	5.5	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.
TN06010108 010 - 0600	RIPLEY CREEK	Greene	8.5	Loss of biological integrity due to siltation Alteration in stream-side or littoral vegetative cover Escherichia coli	NA NA H	Pasture Grazing	Category 5. TMDLs needed. EPA approved a siltation/habitat alteration TMDL for some of the known pollutants.
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.
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 TMDL for the known pollutant.
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.
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.
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.
TN06010108 010 - 1910	SPRING CREEK	Unicoi	1.7	Other Anthropogenic Substrate Alterations Solids	NA L	Discharges from MS4 area Aquaculture (permitted)	Fish hatchery is source of solids. Category 5. A habitat alteration TMDL addresses some of the known pollutants.

Draft Version 2016 303(d) LIST (Nolichucky River Watershed- continued)

Waterbody ID	Impacted Waterbody	County	Miles/Acres Impaired	CAUSE / TMDL Priority	Pollutant Source	COMMENTS
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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.
TN06010108 010 - 3800	WOLF BRANCH	Greene	1.3	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.
TN06010108 029 – 0900	TATE SPRINGS	Unicoi	2.33	Suspended Solids M Escherichia coli L	Aquaculture Waterfowl	Fish hatchery is source of solids. Ducks are concentrated in a park. Stream is Category 5. (One or more uses impaired.)
TN06010108 030 - 0100	CEDAR CREEK	Greene	3.3	Loss of biological integrity due to siltation NA Alteration in stream-side or littoral vegetative cover NA Escherichia coli H	Pasture Grazing Unrestricted Cattle Access	Category 4a. EPA approved a siltation/habitat alteration TMDL for some of the known pollutants.
TN06010108 030 - 0200	JOCKEY CREEK	Greene	8.0	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.
TN06010108 030 - 0220	CARSON CREEK	Greene Washington	17.9	Nitrate+Nitrite NA Loss of biological integrity due to siltation NA Escherichia coli NA	Pasture Grazing Unrestricted Cattle Access	Category4a. EPA approved a nutrient, siltation, and pathogen TMDLs for the known pollutants.
TN06010108 030 - 0400	CLEAR FORK	Washington	12	Alteration in stream-side or littoral vegetative cover L Escherichia coli H	Pasture Grazing	Stream is Category 5. (One or more uses impaired.)
TN06010108 030 - 0410	BLACKLEY CREEK	Washington	16	Alteration in stream-side or littoral vegetative cover L Escherichia coli H	Pasture Grazing	Stream is Category 5. (One or more uses impaired.)
TN06010108 030 - 0420	UNNAMED TRIB TO CLEAR FORK	Washington	6.9	Loss of biological integrity due to siltation 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.
TN06010108 030 - 0430	MUDDY FORK	Washington	23.8	Escherichia coli NA	Pasture Grazing	Category 4a. Impaired, but EPA approved a pathogen TMDL for the known pollutant.

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

Waterbody ID	Impacted Waterbody	County	Miles/Acres Impaired	CAUSE / TMDL Priority	Pollutant Source	COMMENTS
TN06010108 030 - 0431	LEESBURG BRANCH	Washington	3.4	Loss of biological integrity due to siltation NA Alteration in stream-side	Pasture Grazing	Category 4a. EPA approved a siltation/habitat alteration TMDL for the known

				or littoral vegetative cover	NA		pollutants.
TN06010108 030 - 1000	BIG LIMESTONE CREEK	Greene Washington	3.1	Escherichia coli	NA	Pasture Grazing	Category 4a. Impaired, but EPA approved a pathogen TMDL for the known pollutant.
TN06010108 030 - 2000	BIG LIMESTONE CREEK	Washington	8.8	Total Phosphorus Nitrate+Nitrite Loss of biological integrity due to siltation Escherichia coli	M M NA NA	Pasture Grazing	Category 5. (One or more uses impaired.) EPA approved siltation and pathogen TMDLs for some of the known pollutants.
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.
TN06010108 033 - 1000	PIGEON CREEK	Greene	8.8	Escherichia coli	NA	Discharges from MS4 area Pasture Grazing	Category 4a. Impaired, but EPA approved a pathogen TMDL for the known pollutant.
TN06010108 035 - 0200	POTTER CREEK	Greene	15.3	Low Dissolved Oxygen Loss of biological integrity due to siltation Alteration in stream-side or littoral vegetative cover Escherichia coli	NA NA NA NA	Pasture Grazing	Category 4a. EPA approved dissolved oxygen, siltation/habitat alteration and pathogen TMDLs for the known pollutants.
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.
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 Nitrate+Nitrite Loss of biological integrity due to siltation Escherichia coli	M NA NA NA	Pasture Grazing	Category 5. EPA approved nutrient, siltation, and pathogen TMDLs for some of the known pollutants.
TN06010108 035 - 1000	LICK CREEK	Greene	3.9	Nitrate+Nitrite Loss of biological integrity due to siltation Alteration in stream-side or littoral vegetative cover Escherichia coli	NA NA NA NA	Pasture Grazing	Category 4a. EPA approved nutrient, siltation/habitat alteration, and pathogen TMDLs for the known pollutants.

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

Waterbody ID	Impacted Waterbody	County	Miles/Acres Impaired	CAUSE / TMDL Priority	Pollutant Source	COMMENTS
TN06010108 035 - 1110	BABB CREEK	Greene	4.6	Loss of biological integrity due to siltation	NA	Category 4a. EPA approved a siltation TMDL for the known

							pollutant.
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.
TN06010108 035 – 1410	WATTENBARGER CREEK	Greene	5.3	Physical Substrate Habitat Alterations	NA	Pasture Grazing Channelization	Category 4a. EPA approved a habitat alteration TMDL for the known pollutant.
TN06010108 035 – 1800	PYBORN CREEK	Greene	6.4	Low Dissolved Oxygen Loss of biological integrity due to siltation Alteration of stream-side or littoral vegetation Escherichia coli	M NA NA NA	Pasture Grazing	Category 5. EPA approved a siltation/habitat alteration and pathogen TMDLs for some of the known pollutants.
TN06010108 035 – 1900	CLEAR CREEK	Greene Washington	19.9	Loss of biological integrity due to siltation Escherichia coli	NA H	Pasture Grazing Unrestricted Cattle Access	Randomly selected for EPA's National Wadeable Streams Study. Category 5. EPA approved a siltation TMDL for some of the known pollutants.
TN06010108 035 – 2000	LICK CREEK	Greene	2.3	Low Dissolved Oxygen Escherichia coli	M NA	Pasture Grazing	Category 5. EPA approved a pathogen TMDL for some of the known pollutants.
TN06010108 035 – 2300	HORSE FORK	Greene	1.6	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 – 2320	DAVIS BRANCH	Greene	2.8	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 pollutant.
TN06010108 035 – 2400	HOODLEY BRANCH	Greene	5.3	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 – 2521	POSSUM CREEK	Greene	7.5	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 – 2600	GRASSY CREEK	Greene	12.6	Loss of biological integrity due to siltation Escherichia coli	NA NA	Pasture Grazing	Category 4a. EPA approved siltation and pathogen TMDLs for the known pollutants.

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

Waterbody ID	Impacted Waterbody	County	Miles/Acres Impaired	CAUSE / TMDL Priority	Pollutant Source	COMMENTS
TN06010108 035 – 2800	MINK CREEK	Greene	9.1	Alteration in stream-side or littoral vegetative cover Escherichia coli	L NA	Category 5. EPA approved a pathogen TMDL for some of the known pollutants.

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.
TN06010108 035 – 3000	LICK CREEK	Greene	7.4	Total Phosphorus Loss of biological integrity due to siltation Alteration in stream-side or littoral vegetative cover Escherichia coli	M NA NA NA	Pasture Grazing	Category 5. EPA approved siltation/habitat alteration and pathogen TMDLs for some of the known pollutants.
TN06010108 035 – 4000	LICK CREEK	Greene	4.9	Escherichia coli	NA	Pasture Grazing	Category 4a. EPA approved a pathogen TMDL for the known pollutant.
TN06010108 035 – 5000	LICK CREEK	Greene	17.8	Total Phosphorus Loss of biological integrity due to siltation Physical Substrate Habitat Alteration Escherichia coli	M NA NA NA	Pasture Grazing	Category 5. EPA approved a siltation/habitat alteration and pathogen TMDL for some of the known pollutants.
TN06010108 035 – 6000	LICK CREEK	Greene	8.9	Loss of biological integrity due to siltation Physical Substrate Habitat Alteration Escherichia coli	NA NA NA	Pasture Grazing	Category 4a. EPA approved a siltation/habitat alteration and pathogen TMDL for some of the known pollutants.
TN06010108 035 – 7000	LICK CREEK	Greene	9.4	Escherichia coli	NA	Pasture Grazing	Category 4a. EPA approved a pathogen TMDL for the known pollutant.
TN06010108 035 - 8000	LICK CREEK	Greene	7.2	Escherichia coli	NA	Pasture Grazing	Category 4a. EPA approved a pathogen TMDL for the known pollutant.
TN06010108 035 - 9000	LICK CREEK	Greene	7.7	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.
TN06010108 042 - 0600	MUD CREEK	Hamblen Hawkins	8.2	Escherichia coli	NA	Pasture Grazing	Category 4a. Impaired, but EPA approved a pathogen TMDL for the known pollutant.
TN06010108 042 - 0610	WHITEHORN CREEK	Hamblen Hawkins	17.9	Alteration in stream-side or littoral vegetative cover Loss of biological integrity due to siltation	L NA	Pasture Grazing	Category 5. EPA approved a siltation TMDL for some of the known pollutants.

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

Waterbody ID	Impacted Waterbody	County	Miles/Acres Impaired	CAUSE / TMDL Priority	Pollutant Source	COMMENTS
TN06010108	COLDSPRING	Hawkins	1.1	Loss of biological integrity	Pasture Grazing	Category 4a. EPA approved a

042 - 0612	BRANCH			due to siltation Physical Substrate Habitat Alterations	NA NA		siltation/habitat alteration TMDL for the known pollutants.
TN06010108 042 - 1000	BENT CREEK	Hamblen	13.7	Escherichia coli	NA	Pasture Grazing	Category 4a. EPA approved a pathogen TMDL for the known pollutant.
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.
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.
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.
TN06010108 043 - 0400	CEDAR CREEK	Hamblen Jefferson	7.5	Alteration in stream-side or littoral vegetative cover Loss of biological integrity due to siltation	L NA	Pasture Grazing	Category 5. EPA approved a siltation TMDL for some of the known pollutants.
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.
TN06010108 064 – 1000 & 2000	SINKING CREEK	Greene	23.4	Escherichia coli	NA	Pasture Grazing	Category 4a. EPA approved a pathogen TMDL for the known pollutant.
TN06010108 088 – 1000	HORSE CREEK	Greene	14.28	Escherichia coli	NA	Pasture Grazing	Category 4a. EPA approved a pathogen TMDL for the known pollutant.
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.
TN06010108 102 - 0200	SIMPSON CREEK	Greene	1.87	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.

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

Waterbody ID	Impacted Waterbody	County	Miles/Acres Impaired	CAUSE / TMDL Priority	Pollutant Source	COMMENTS
TN06010108 102 – 0300	TIPTON CREEK	Greene	1.60	Loss of biological integrity due to siltation	NA	Category 4a. EPA approved a siltation/habitat alteration

				Physical Substrate Habitat Alterations	NA		TMDL for the known pollutants.
TN06010108 102 - 0400	EAST FORK RICHLAND CREEK	Greene	4.96	Physical Substrate Habitat Alterations	NA	Pasture Grazing	Category 4a. EPA approved a habitat alteration TMDL for the known pollutant.
TN06010108 102 - 1000	RICHLAND CREEK	Greene	10.99	Nitrate+Nitrite Loss of biological integrity due to siltation Physical Substrate Habitat Alterations Escherichia coli	NA NA NA NA	Pasture Grazing Discharges from MS4 area	Category 4a. EPA approved nutrient, siltation/habitat alteration and pathogen TMDLs for the known pollutants.
TN06010108 456 - 0200	DRY CREEK	Greene	3.3	Loss of biological integrity due to siltation Physical Substrate Habitat Alterations	NA NA	Sand/Gravel/Rock Mining	Category 4a. EPA approved a siltation/habitat alteration TMDL for the known pollutants.
TN06010108 510 - 0100	BROWN BRANCH	Washington	8.3	Loss of biological integrity due to siltation Alteration in stream-side or littoral vegetative cover	NA NA	Pasture Grazing Land Development	Category 4a. EPA approved a siltation/habitat alteration TMDL for the known pollutants.
TN06010108 510 - 0200	BACON 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.
TN06010108 510 - 0300	FEIST BRANCH	Washington	2.3	Alteration in stream-side or littoral vegetative cover Loss of biological integrity due to siltation	L NA	Pasture Grazing	Category 5. EPA approved a siltation TMDL for some of the known pollutants.
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 4a. EPA approved nutrient and pathogen TMDLs for the known pollutants.
TN06010108 510 - 0500	ONION CREEK	Washington	4.0	Alteration in stream-side or littoral vegetative cover Loss of biological integrity due to siltation	L NA	Pasture Grazing Land Development	Category 5. EPA approved a siltation TMDL for some of the known pollutants.
TN06010108 510 - 1000	LITTLE LIMESTONE CREEK	Washington	8.0	Nitrate+Nitrite Escherichia coli	M NA	Pasture Grazing	Category 5, but EPA approved a pathogen TMDL for some of the known pollutants.

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

Waterbody ID	Impacted Waterbody	County	Miles/Acres Impaired	CAUSE / TMDL Priority	Pollutant Source	COMMENTS
TN06010108 510 - 2000	LITTLE LIMESTONE CREEK	Washington	7.56	Nitrate+Nitrite Total Phosphorus Physical Substrate Habitat	M M Pasture Grazing	Category 5. EPA approved pathogen and habitat alteration TMDLs for some of the known

				Alterations Ammonia Escherichia coli	NA M NA		pollutants.
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. EPA approved pathogen and habitat alteration TMDLs for some of the known pollutants.
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.
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 TMDL for the known pollutant.
TN06010108 DCTRIBS- 0100	MUTTON CREEK	Greene	1.7	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.
TN06010108 DCTRIBS - 0200	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.
TN06010108 DCTRIBS - 0600	FLAG BRANCH	Greene	5.8	Loss of biological integrity due to siltation Alteration in stream-side or littoral vegetative cover	NA NA	Pasture Grazing Channelization	Category 4a. EPA approved a siltation/habitat alteration TMDL for the known pollutants.

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	Fishing advisory due to PCBs. Category 4a. EPA approved a PCB TMDL for the known pollutant.

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

Waterbody ID	Impacted Waterbody	County	Miles/Acres Impaired	CAUSE / TMDL Priority	Pollutant Source	COMMENTS
TN06010201 001 - 2000	UPPER WATTS BAR RESERVOIR Sweetwater Creek to Fort Loudoun Dam.	Loudon	1971 ac	Low Dissolved Oxygen PCBs	L NA Upstream Impoundment Contaminated Sediment	Fishing advisory due to PCBs. Category 5. EPA approved a PCB TMDL for some of the known pollutants. Provides habitat for the federally listed fish, snail darter (<u>Percina tanasi</u>) and the following

						mussels: orange-foot pimpleback pearly mussel (<i>Plethobasus cooperianus</i>) and pink mucket pearly mussel (<i>Lampsilis abrupta</i>).
TN06010201001T - 0100	CRACKER CREEK	Rhea	2.0	Alteration in stream-side or littoral vegetative cover L	Pasture Grazing	Category 5.
TN06010201001T - 0200	WOLF CREEK	Rhea	2.49	Alteration in stream-side or littoral vegetative cover Escherichia coli L M	Pasture Grazing	Category 5.
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 H	Pasture Grazing	Category 5.
TN06010201011 - 1000	PAINT ROCK CREEK	Roane Loudon	12.2	Escherichia coli NA	Pasture Grazing	Category 4a. Impaired, but EPA approved a pathogen TMDL for the known pollutant.
TN06010201013 - 0100	MUD CREEK	McMinn Monroe	7.2	Escherichia coli NA	Pasture Grazing	Category 4a. EPA approved a pathogen TMDL for the known pollutant.
TN06010201013 - 0200	GREASY BRANCH	Loudon Monroe	7.3	Escherichia coli NA	Pasture Grazing	Category 4a. EPA approved a pathogen TMDL for the known pollutant.
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.
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 M Nitrate+Nitrite M Escherichia coli NA	Pasture Grazing Unrestricted Cattle Access	Category 5. EPA approved a pathogen TMDL for some of the known pollutants.

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

Waterbody ID	Impacted Waterbody	County	Miles/Acres Impaired	CAUSE / TMDL Priority	Pollutant Source	COMMENTS
TN06010201015 - 0100	BACON CREEK	Loudon Monroe	10.2	Nitrate+Nitrite M Alteration in stream-side or littoral vegetative cover NA Loss of biological integrity due to siltation NA Physical Substrate Habitat Alteration MNA	Pasture Grazing Animal Feeding Operations (NPS) Channelization	Category 5. Impaired, but EPA approved <u>a pathogen and habitat alteration TMDLs</u> for some of the known pollutants. <u>This segment is also covered by the existing HUC-12 based siltation/habitat alterations</u>

				Escherichia coli	NA		TMDL approved by EPA on 2/1/2006. Additional TMDL needed.
TN06010201 015 - 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.
TN06010201 015 - 2000	SWEETWATER CREEK	Loudon Monroe	10.13	Nitrate+Nitrite Total Phosphorus Loss of biological integrity due to siltation Alteration in stream-side or littoral vegetative cover Escherichia coli	M M M NA LNA NA	Municipal Point Source Channelization Pasture Grazing Land Development	Category 5. EPA approved a pathogen and siltation/habitat alteration TMDLs for some of the known pollutants. Additional TMDLs needed.
TN06010201 015 - 3000	SWEETWATER CREEK	McMinn Monroe	8.68	Loss of biological integrity due to siltation Alteration in stream-side or littoral vegetative cover Escherichia coli	LNA NA	Urbanized High Density Area Pasture Grazing	Category 4a. EPA approved a pathogen and siltation/habitat alteration TMDLs for the known pollutants.
TN06010201 020 - 1000	FORT LOUDOUN RESERVOIR	Knox Loudon	14066 ac	PCBs	NA	Contaminated Sediment	Fishing advisory due to PCBs. Category 4a. EPA approved a PCB TMDL for the known pollutant.
TN06010201 020 - 2000	FORT LOUDOUN RESERVOIR	Knox	534 ac	Mercury PCBs	L NA	Atmospheric Deposition Contaminated Sediment	Fishing advisory due to mercury and PCBs. Category 5. EPA approved a PCB TMDL for some of the known pollutants. EPA assistance requested for atmospheric mercury TMDLs.
TN06010201 026 – 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	Stream is Category 4a. One or more uses impaired, but EPA has approved pathogen, siltation, and habitat alteration TMDLs that address the known pollutants.
TN06010201 026 – 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.

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Waterbody ID	Impacted Waterbody	County	Miles/Acres Impaired	CAUSE / TMDL Priority	Pollutant Source	COMMENTS
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TN06010201 026 – 0300	HOLLYBROOK BRANCH	Blount	2.78	Unionized Ammonia M Total Phosphorus M Alteration in stream-side or littoral vegetative cover NA Loss of biological integrity due to siltation NA Escherichia coli H	Pasture Grazing	Category 5. EPA approved a siltation/habitat alteration TMDL for some of the known pollutants. Additional TMDLs needed.
TN06010201 026 – 0400	PISTOL CREEK	Blount	6.39	Loss of biological integrity due to siltation NA Escherichia coli NA	Discharges from MS4 area	Category 4a. EPA approved siltation and pathogen TMDLs for the known pollutants.
TN06010201 026 – 0410	SPRINGFIELD BRANCH	Blount	5.48	Nitrate+Nitrite M Loss of biological integrity due to siltation NA Escherichia coli NA	Discharges from MS4 area	Category 5. EPA approved a pathogen TMDL for some of the known pollutants. This segment is covered by the existing HUC-12 based pathogen TMDL approved by EPA 11/29/2005. Additional TMDL needed.
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, but EPA has approved siltation and habitat alteration TMDLs to address some of the known pollutants. Additional TMDLs needed.
TN06010201 026 – 0421	DUNCAN BRANCH	Blount	2.5	Flow Alteration NA	Sand/Gravel/Rock Quarry	Category 4c. Flow alteration 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 4a. EPA approved a pathogen and siltation TMDLs for the known pollutants. This segment is also covered by the existing HUC-12 based siltation/habitat alterations TMDL approved by EPA on 2/1/2006. Additional TMDL needed.
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 siltation TMDL for the known pollutant. This segment is covered by the existing HUC-12 based siltation/habitat alterations TMDL approved by EPA on 2/1/2006.
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. EPA approved a siltation TMDL that addresses some of the known pollutants.
TN06010201 026 – 1000	LITTLE RIVER	Blount	7.1	PCBs NA	Contaminated Sediment	Fishing advisory. Category 4a. Approved PCB TMDL

						addresses known pollutants.
TN06010201 026—2000	LITTLE RIVER	Blount		This 17.63-mile section of the Little River has been identified as “threatened” due to a documented decline in diversity at biological stations at miles 7.6 and 9.6.	The specific stressor is undetermined. TMDL priority: Low.	Category 5. Provides habitat for the federally listed snail darter (<i>Percina tanasi</i>) and duskytail darter (<i>Etheostoma percnurum</i>), plus fine-rayed pigtoe (<i>Fusconaia cuneolus</i>).

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

Waterbody ID	Impacted Waterbody	County	Miles/Acres Impaired	CAUSE / TMDL Priority	Pollutant Source	COMMENTS
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	Stream is Category 5. Impaired, but EPA has approved siltation and habitat alteration TMDLs that address some of the known pollutants. Additional TMDL needed.
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. EPA approved a siltation TMDL for some of the known pollutants.
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 54a. EPA approved a siltation TMDL for one of the the known pollutants. Category 4a. Impaired, but EPA approved a siltation/habitat alteration TMDL for the known pollutants.
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. Impaired, but EPA approved a siltation/habitat alteration TMDL for the known pollutants.
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. Impaired, but EPA approved a siltation/habitat alteration TMDL for some of the known pollutants.
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.
TN06010201 031 – 1000	HESSE CREEK	Blount	4.5	Escherichia coli H	Pasture Grazing	Category 5. TMDL needed
TN06010201 032 - 0510	GOSHEN PRONG	Sevier	6.66	Low pH NA	Undetermined Source	High elevation in Great Smoky Mountains National Park. Low pH due to a combination of

							natural conditions (anakeesta) and atmospheric deposition. Category 4a. EPA approved a pH TMDL for the known pollutant.
TN06010201 032 - 0530	UNNAMED TRIB. TO FISH CAMP PRONG	Sevier	1.34	Low pH	NA	Undetermined Source	High elevation stream in Great Smoky Mountains National Park. Low pH source may be a combination of natural conditions (anakeesta) and atmospheric deposition. Category 4a. EPA approved a pH TMDL for the known pollutant.

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

Waterbody ID	Impacted Waterbody	County	Miles/Acres Impaired	CAUSE / TMDL Priority	Pollutant Source	COMMENTS
TN06010201 032 – 0700	DRY BRANCH	Blount	3.31	Escherichia coli NA	<u>Pasture Grazing</u> <u>Undetermined Source</u>	Category 4a. Impaired, but EPA approved a pathogen TMDL for the known pollutant.
TN06010201 032 – 0800	SHORT CREEK	Blount	10.7	Nitrate+Nitrite M <u>Alteration in stream-side or littoral vegetative cover</u> NA <u>Loss of biological integrity due to siltation</u> –NA <u>Escherichia coli</u> L	<u>Channelization</u> Undetermined Source	Category 5. TMDLs needed. <u>This segment is also covered by the existing HUC-12 based siltation/habitat alterations TMDL approved by EPA on 2/1/2006. Additional TMDLs needed.</u>
TN06010201 032 – 0820	TIPTON BRANCH	Blount	2.5	Alteration in stream-side or littoral vegetative cover NA Loss of biological integrity due to siltation NA	Upstream Impoundments	Category 4a. Impaired, but EPA approved a siltation/habitat alteration TMDL for the known pollutants.
TN06010201 033_ _0100	LITTLE ELLEJOY CREEK	Blount	14.7	Nitrate+Nitrite M <u>Alteration in stream-side or littoral vegetative cover</u> NA <u>Loss of biological integrity due to siltation</u> NA Escherichia coli NA	<u>Pasture Grazing</u> <u>Animal Feeding Operation</u>	Category 5. EPA approved a pathogen TMDL that addresses some of the known pollutants. <u>This segment is also covered by the existing HUC-12 based siltation/habitat alterations TMDL approved by EPA on 2/1/2006.</u>
TN06010201 033 – 0200	PITNER CREEK	Blount	13.5	Escherichia coli NA	Pasture Grazing	Category 4a. EPA approved a pathogen TMDL for the known pollutant.

TN06010201 033 - 1000	ELLEJOY CREEK	Blount	14.78	Escherichia coli	NA	Pasture Grazing	Category 4a. EPA approved a pathogen TMDL that addresses known pollutant.
TN06010201 033 - 2000	ELLEJOY CREEK	Blount	5.37	Nitrate+Nitrite Alteration in stream-side or littoral vegetative cover Loss of biological integrity due to siltation Escherichia coli	M NA NA NA	Pasture Grazing	Category 5 4a. Impaired, but EPA approved siltation and pathogen TMDLs that address some of the known pollutants.
TN06010201 034 - 0200	WILDWOOD BRANCH	Blount	6.26	Alteration in stream-side or littoral vegetative cover Escherichia coli	NA NA	Pasture Grazing	Category 4a. Impaired, but EPA has approved pathogen and habitat alteration TMDLs that address known pollutants.
TN06010201 034 - 1000	NAILS CREEK	Blount Sevier	24.5	Escherichia coli	NA	Pasture Grazing	Category 4a. Impaired, but EPA approved a pathogen TMDL for the known pollutant.
TN06010201 037 - 1000	LITTLE TURKEY CREEK	Knox	14.0	Loss of biological integrity due to siltation	NA	Discharges from MS4 area	Category 4a. Impaired but, EPA has approved a siltation TMDL that addresses the known pollutant.
TN06010201 038 - 1000	TOWN CREEK	Loudon	12.9	Loss of biological integrity due to siltation Escherichia coli	NA HNA	Discharges from MS4 area	Category 5. Impaired but, EPA approved a siltation <u>pathogen</u> TMDL for some of the known pollutants.
TN06010201 040 - 0600	BLACK CREEK	Roane	16.7	Total Phosphorus Physical Substrate Habitat Alterations Escherichia coli	M NA H	Municipal Point Source Urbanized High Density Area Pasture Grazing Collection System Failure Channelization	Category 5. EPA approved a habitat TMDL for some of the known pollutants. <u>Additional TMDLs needed.</u>

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

Waterbody ID	Impacted Waterbody	County	Miles/Acres Impaired	CAUSE / TMDL Priority	Pollutant Source	COMMENTS
TN06010201 041 - 2000	PINEY CREEK	Rhea	12.8	Loss of biological integrity due to siltation	L	Nonirrigated Crop Production Category 5. <u>TMDL needed.</u>
TN06010201 064 - 1000	STAMP CREEK	Roane	13.4	Escherichia coli	H	Pasture Grazing Category 5. TMDL needed.
TN06010201 065 - 1000	STEEKEE CREEK	Loudon	11.0	Escherichia coli	NA	Pasture Grazing Category 4a. Impaired, but EPA approved a pathogen TMDL for the known pollutant.
TN06010201 066 - 0100	CASTEEL BRANCH	Knox	0.95	Loss of biological integrity due to siltation	NA	Pasture Grazing Discharges from MS4 area Category 4a. Impaired, but EPA approved a siltation TMDL for the known pollutant.
TN06010201 066 - 0200	TWIN BRANCH	Knox	1.87	Alteration in stream-side or littoral vegetative cover	NA	Pasture Grazing Discharges from MS4 area Category 4a. Impaired, but EPA approved siltation and

				Loss of biological integrity — due to siltation NA		habitat alteration TMDLs that address the known pollutants.
TN06010201 066 – 0400	GRANDVIEW BRANCH	Knox	1.7	Escherichia coli NA	Pasture Grazing Discharges from MS4 area	Category 4a. Impaired, but EPA approved a pathogen TMDL for the known pollutant.
TN06010201 066 – 0500	McCALL BRANCH	Knox	1.73	Loss of biological integrity — due to siltation NA	Discharges from MS4 area Streambank Modification	Category 4a. Impaired, but EPA approved a siltation TMDL for the known pollutant.
TN06010201 066 – 0600	HIGH BLUFF BRANCH	Knox	1.25	Escherichia coli NA	Discharges from MS4 area	Category 4a. Impaired, but EPA approved a pathogen TMDL for the known pollutant.
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.
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.
TN06010201 066 – 2000	STOCK CREEK	Knox	1.98	Escherichia coli NA	Pasture Grazing	Category 4a. Impaired, but 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 Land Development Collection System Failure	Category 4a. EPA approved <u>a</u> <u>siltation, pathogen, and habitat</u> <u>alteration TMDLs that address</u> <u>the known pollutant. This</u> <u>segment is also covered by the</u> <u>existing HUC-12 based</u> <u>siltation/habitat alterations</u> <u>TMDL approved by EPA on</u> <u>2/1/2006.</u>

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

Waterbody ID	Impacted Waterbody	County	Miles/Acres Impaired	CAUSE / TMDL Priority	Pollutant Source	COMMENTS
TN06010201 067 – 1000	THIRD CREEK	Knox	17.86	Nitrates+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 Land Development Collection System Failure	Water contact advisory due to pathogens. Category 5. EPA has approved siltation, pathogen, and habitat alteration TMDLs that address some of the known pollutants. <u>Additional TMDL needed.</u>
TN06010201 080 – 0100	WHITES CREEK	Knox	10.2	Other Anthropogenic Habitat Alterations NA Escherichia coli H	Discharges from MS4 area Streambank Modification	Category 5. EPA approved a habitat alteration TMDL that addresses some of the known pollutants. <u>Additional TMDL</u> <u>needed.</u>

TN06010201 080 – 1000	FIRST CREEK	Knox	16.1	Nitrate+Nitrite Loss of biological integrity due to siltation Other Anthropogenic Habitat Alterations Escherichia coli	L NA NA NA	Discharges from MS4 area Urbanized High Density Area Collection System Failure	Water contact advisory. Category 5, impaired, but EPA has approved siltation, pathogen, and habitat alteration TMDLs that address some of the known pollutants. Additional TMDL needed.
TN06010201 083 – 1000	FLOYD CREEK	Loudon Blount	7.7	Loss of biological integrity due to siltation Escherichia coli	NA NA	Pasture Grazing	Category 4a. EPA approved siltation and pathogen TMDLs for the known pollutants.
TN06010201 087 – 1000	HINES CREEK	Loudon Roane	20.3	Loss of biological integrity due to siltation Escherichia coli	L NA	Pasture Grazing	Category 5. EPA approved a pathogen TMDL for some of the known pollutants.
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 Urbanized High Density Area Collection System Failure	Water contact advisory. Category 5. Impaired, but EPA approved siltation, pathogen, and habitat alteration TMDLs that address some of the known pollutants.
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.
TN06010201 1149 – 1000	POLECAT CREEK	Loudon	13.1	Nitrate+Nitrite Loss of biological integrity due to siltation Escherichia coli	L M NA	Pasture Grazing	Category 5. EPA approved a pathogen TMDL for some of the known pollutants. Additional TMDLs needed.
TN06010201 1330 – 1000	SINKING CREEK	Knox	4.1	Escherichia coli	M	Discharges from MS4 area	Stream is 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	NA NA H	Discharges from MS4 area	This stream is Category 5. Impaired, but EPA has approved siltation and habitat alteration TMDLs that address the known pollutants. This segment is also covered by the existing HUC-12 based siltation/habitat alterations TMDL approved by EPA on 2/1/2006. Additional TMDL needed.

Draft Version 2016 303(d) LIST (Upper Tennessee River Watershed [continued](#))

Waterbody ID	Impacted Waterbody	County	Miles/Acres Impaired	CAUSE / TMDL Priority	Pollutant Source	COMMENTS
TN06010201 340 – 1000	TURKEY CREEK	Knox	15.8	Loss of biological integrity due to siltation NA	Discharges from MS4 area	Category 5. Impaired, but EPA has approved a siltation

				Escherichia coli	H		TMDL that addresses some of the known pollutants. Additional TMDL needed.
TN06010201 462 – 0100	LAUREL FORD BRANCH	Rhea	1.75	Escherichia coli	H	Pasture Grazing	Category 5. Impaired. TMDL needed.
TN06010201 462 – 1000	TOWN CREEK	Rhea	7.7	Escherichia coli	H	Pasture Grazing	Category 5. 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. Impaired. TMDLs needed.
TN06010201 620 – 1000	CARDIFF CREEK	Roane	3.8	Chrome, hexavalent pH	L L	CERCLA site	Hexavalent chrome levels exceed acute criteria in this stream. Category 5. TMDLs needed.
TN06010201 621 – 1000	CANEY CREEK	Roane	18.2	Physical Substrate Habitat Alteration Loss of biological integrity due to siltation Escherichia coli	NA NA NA	Pasture Grazing Collection System Failure	Category 4a. Impaired, but EPA has approved habitat/siltation and pathogen TMDLs that address some of the known pollutants.
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 habitat alteration TMDLs that address the known pollutants.
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 4a 5. TMDL needed. EPA approved pathogen and habitat alteration TMDLs that address the known pollutants. Additional TMDL needed.
TN06010201 721 – 1000	BAKER CREEK	Knox	3.3	Nitrate+Nitrite Other Anthropogenic Habitat Alterations Escherichia coli	M NA NA	Discharges from MS4 area Collection System Failure	Category 5. EPA approved pathogen and habitat alteration TMDLs that address some of the known pollutants. Additional TMDL needed.
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	Water contact advisory due to pathogens. Witherspoon Superfund site. Category 5. EPA has approved siltation, pathogen, and habitat alteration TMDLs that address some of the known pollutants.
TN06010201 983 – 1000	POLECAT CREEK	Blount	1.85	Alteration in stream-side or littoral vegetative cover Loss of biological integrity due to siltation Escherichia coli	NA NA H	Discharges from MS4 area Land Development Channelization	This stream is Category 4a 5. Impaired, but EPA has approved siltation and habitat alteration TMDLs that address the known pollutants. Pathogen TMDL still needed.

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 Mercury L	Contaminated Sediment Atmospheric Deposition	Fishing advisory due to PCBs and mercury. The Tellico River was once habitat for the federally listed snail darter (<i>Percina tanasi</i>). Category 5.
TN06010204 002 - 1000	FORK CREEK	Loudon Monroe	19.3	Nitrate+Nitrite M Loss of biological integrity NA due to siltation NA Escherichia coli NA	Pasture Grazing	Category 5. EPA has approved pathogen and siltation TMDLs that address some of the known pollutants. Additional TMDL needed.
TN06010204 004 - 0100	UNNAMED TRIB TO BAT CREEK	Monroe	2.66	Nitrate+Nitrite M Total Phosphorus M Escherichia coli NA	Municipal Point Source	Category 5. A pathogen TMDL addresses some of the known pollutants. Additional TMDLs needed.
TN06010204 004 - 0110	UNNAMED TRIB TO UNNAMED TRIB TO BAT CREEK	Monroe	2.54	Nitrate+Nitrite M Total Phosphorus M Escherichia coli NA Low Dissolved Oxygen L	Municipal Point Source	Madisonville STP. Category 5. A pathogen TMDL addresses some of the known pollutants. Additional TMDLs needed.
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.
TN06010204 004 - 2000	BAT CREEK	Monroe	6.86	Nitrate+Nitrite M Total Phosphorus M Escherichia coli NA	Municipal Point Source Collection System Failure Pasture Grazing	Category 5. A pathogen TMDL addresses some of the known pollutants. Additional TMDLs needed.
TN06010204 020 - 1000	LITTLE TENNESSEE RIVER	Monroe Blount	1.1	Habitat loss due to stream Flow alteration NA	Upstream Impoundment	Work to restore flows is ongoing. Category 4c, impact not caused by a pollutant.
TN06010204 042 - 0100	CENTENARY CREEK	Blount	3.25	Alteration in stream-side or littoral vegetative cover NA Loss of biological integrity NA due to siltation NA Escherichia coli NA	Pasture Grazing	Category 4Aa. EPA approved siltation/habitat alteration and pathogen TMDLs that address the known pollutants.
TN06010204 042 - 0300	SIXMILE CREEK	Blount	16.4	Escherichia coli L	Pasture Grazing	Category 5. The stream is impaired for one or more uses. TMDL needed.
TN06010204 042 - 0311	UNNAMED TRIB TO BIG SPRINGS BRANCH	Blount	0.2	Temperature Alterations L	Upstream Impoundment	Category 5. Category 4c, impact not caused by a pollutant.
TN06010204 042 - 1000	NINEMILE CREEK	Blount	17.1	Loss of biological integrity due to siltation NA	Pasture Grazing Non-irrigated Crop Production	Category 4Aa. Siltation and pathogen TMDLs address the

				Escherichia coli	NA		known pollutants.
TN06010204 043 – 0200	BINFIELD BRANCH	Blount	3.9	Escherichia coli	L	Pasture Grazing	Category 5. The stream is impaired for one or more use. TMDL needed.

Draft Version 2016 303(d) LIST (Little Tennessee River Watershed [continued](#))

Waterbody ID	Impacted Waterbody	County	Miles/Acres Impaired	CAUSE / TMDL Priority	Pollutant Source	COMMENTS
TN06010204 043 – 0400	LITTLE BAKER CREEK	Blount	6.1	Alteration in stream-side or littoral vegetative cover NA Loss of biological integrity due to siltation NA Escherichia coli NA	Pasture Grazing	Category 4Aa. EPA approved a siltation/habitat alteration and pathogen TMDLs that address the known pollutants.
TN06010204 043 – 1000	BAKER CREEK	Blount Loudon	18.228.9	Alteration in stream-side or littoral vegetative cover NA Escherichia coli NA	Pasture Grazing	Category 4a. EPA approved pathogen and habitat alteration TMDLs that address some of the known pollutants.
TN06010204 043 2000	BAKER CREEK	Blount Loudon	9.04	Alteration in stream-side or littoral vegetative cover NA Escherichia coli NA	Pasture Grazing	Category 4a. EPA approved pathogen TMDL that address some of the known pollutants. This segment is covered by the existing HUC-12 based siltation/habitat alteration TMDL approved by EPA on 4/19/2007.
TN06010204 044 – 0100	CANE CREEK	Monroe	29.3	Escherichia coli HM	Pasture Grazing	Stream is Category 5. (One or more uses impaired.) TMDL needed.
TN06010204 044 – 1300	SINKHOLE CREEK	Monroe	13.66	Escherichia coli HM	Septic Tanks Pasture Grazing	Stream is Category 5. (One or more uses impaired.) TMDL needed.
TN06010204 045 – 1000	NOTCHY CREEK	Monroe	11.2	Escherichia coli NA	Pasture Grazing	Stream is Category 5. (One or more uses impaired.)
TN06010204 056 – 0150	LAUREL CREEK	Monroe	0.47	Habitat loss due to stream flow alteration NA	Upstream Impoundment	Category 4c. The impact is not caused by a pollutant.
TN06010204 056 – 1000	BIG CREEK	Monroe	14.65	Escherichia coli HM	Pasture Grazing	Stream is Category 5. (One or more uses impaired.) TMDL needed.
TN06010204 065 – 1000	ISLAND CREEK	Monroe	10.0	Escherichia coli HM	Pasture Grazing	Stream is 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).

Waterbody ID	Impacted Waterbody	County	Miles Acres Impaired	CAUSE / TMDL Priority	Pollutant Source	COMMENTS
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.) Assistance from EPA is requested for TMDLs which include atmospheric <u>mercury</u> deposition.
TN06010205 001T - 0200	CUCKLE CREEK	Campbell	6.89	Loss of biological integrity due to siltation M	Pasture Grazing Sand/Gravel/Rock Quarry	Stream is Category 5. (One or more uses impaired.)
TN06010205 001T - 1400	FALL CREEK	Union	5.6	Loss of biological integrity due to siltation L Alteration in stream-side or littoral vegetative cover L	Pasture Grazing	Stream is Category 5. (One or more uses impaired.)

Draft Version 2016 303(d) LIST (Upper Clinch River Watershed continued)

Waterbody ID	Impacted Waterbody	County	Miles/Acres Impaired	CAUSE / TMDL Priority	Pollutant Source	COMMENTS
TN06010205 013 - 0200	UNNAMED TRIB TO CLINCH RIVER	Hancock	1.22	Alteration in stream-side or littoral vegetative cover L	Pasture Grazing	Category 5.
TN06010205 013 - 0600	RHEA BRANCH	Hancock	1.44	Alteration in stream-side or littoral vegetative cover L	Pasture Grazing	Category 5.
TN06010205 013 - 0800	GREASY ROCK CREEK	Hancock	5.67	Alteration in stream-side or littoral vegetative cover L Escherichia coli NA	Pasture Grazing Land Development	Category 5. EPA approved a pathogen TMDL that addresses some of the known pollutants.
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.
TN06010205 013 - 1200	DAVIS BRANCH	Hancock	2.22	Alteration in stream-side or littoral vegetative cover L	Nonirrigated Crop Production	Category 5.
TN06010205 014 - 0500	FLAT GAP CREEK	Hancock Hawkins	1.0	Zinc L	Mine Tailings	Stream is Category 5. (One or more uses impaired.)
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. 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	LITTLE SYCAMORE	Claiborne	18.7	Total Phosphorus M	Pasture Grazing	Category 5. EPA approved a

061 - 1000	CREEK			Alteration in stream-side or littoral vegetative cover Escherichia coli	M H		pH TMDL that addresses the known pollutant.
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.
TN06010205 064 - 1000	BIG CREEK	Campbell	1.2	Biological integrity loss due to undetermined cause Nitrate+Nitrite	M M	Municipal Point Source	Stream is Category 5. (One or more uses impaired.)
TN06010205 064 - 2000	BIG CREEK	Campbell	1.9	Nitrate+Nitrite Escherichia coli	M H	Urbanized High Density Area	Stream is Category 5. (One or more uses impaired.)
TN06010205 COVELAKE T - 0100	BRUCE CREEK	Campbell	4.8	Manganese Physical Substrate Habitat Alterations	H L	Coal Mining Discharges (Permitted)	Category 5.

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	H	Pasture Grazing	Stream is Category 5. (One or more uses impaired.)
TN06010206 006 - 0150	OLD TOWN CREEK	Claiborne	6.27	Loss of biological integrity due to siltation Alteration in stream-side or littoral vegetative cover	L L	Pasture Grazing	Stream is Category 5. (One or more uses impaired.)
TN06010206 006 - 0250	GAP CREEK	Claiborne	6.76	Total Phosphorus Escherichia coli	M NA	Municipal Point Source Collection System Failure	Category 5. Approved pathogen TMDL addresses some of the known pollutants.
TN06010206 006 - 0310	UNNAMED TRIB TO BLAIRS CREEK	Claiborne	1.69	Loss of biological integrity due to siltation	L	Hwy/Road/Bridge Construction	Stream is Category 5. (One or more uses impaired.)
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.
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.
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.
TN06010206 007 - 2000	POWELL RIVER	Hancock	12.88	Loss of Native Mussel Species Unknown Toxicity	H L	Source in Other State	EPA should do the TMDL on this interstate stream. Category 5. (One or more uses impaired.)
TN06010206 008 - 1000	RUSSELL CREEK	Claiborne	8.1	Nitrate+Nitrite Total Phosphorus Escherichia coli	M M NA	Municipal Point Source Urbanized High Density Area Collection System Failure	Category 5. EPA approved a pathogen TMDL that addresses some of the known

						Pasture Grazing	pollutants.
TN06010206 008 – 2000	RUSSELL CREEK	Claiborne	7.0	Nitrate+Nitrite Loss of biological integrity due to siltation	M L	Municipal Point Source Urbanized High Density Area Pasture Grazing	Tazewell area impacts. Stream is Category 5. (One or more uses impaired.)
TN06010206 026 – 0100	CAWOOD BRANCH	Claiborne	5.2	Alteration in stream-side or littoral vegetative cover Nitrate+Nitrite Total Phosphorus Escherichia coli	L M M NA	Pasture Grazing	Category 4a. EPA approved a pathogen TMDL that addresses the known pollutant.
TN06010206 026 – 0200	RUSSELL BRANCH	Claiborne	3.5	Nitrate+Nitrite Loss of biological integrity due to siltation Physical Substrate Habitat <u>Alterations</u> Escherichia coli	M L L NA	Pasture Grazing	Category 5. EPA approved a pathogen TMDL that addresses some of the known pollutants.

Draft Version 2016 303(d) LIST (Powell River Watershed continued)

Waterbody ID	Impacted Waterbody	County	Miles/Acres Impaired	CAUSE / TMDL Priority	Pollutant Source	COMMENTS	
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.
TN06010206 026 – 2000	DAVIS CREEK	Claiborne	5.1	Escherichia coli	NA	Pasture Grazing	Category 5. EPA approved a pathogen TMDL that addresses the known pollutant.
TN06010206 026 – 3000	DAVIS CREEK	Claiborne	3.6	Nitrate+Nitrite Loss of biological integrity due to siltation Escherichia coli	M L NA	Animal Feeding Operations Pasture Grazing	Dairy operations. Category 5. EPA approved a pathogen TMDL that addresses some of the known pollutant.
TN06010206 026 – 4000	DAVIS CREEK	Claiborne	2.6	Nitrate+Nitrite Loss of biological integrity due to siltation Escherichia coli	M L NA	Animal Feeding Operations Pasture Grazing	Dairy operations. Category 5. EPA approved a pathogen TMDL that addresses some of the known pollutant.
TN06010206 026 – 5000	DAVIS CREEK	Claiborne	1.5	Escherichia coli	NA	Animal Feeding Operations	Category 5. EPA approved a pathogen TMDL that addresses the known pollutant.

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	Roane	141 ac	PCBs Mercury	L L	Industrial Point Source Contaminated Sediments	Fishing advisory due to PCBs and mercury. DOE impacts. Stream is Category 5. EPA

	RESERVOIR						should produce TMDL for pollutants from DOE facilities.
TN06010207 001 - 1000	WATTS BAR RESERVOIR, CLINCH RIVER ARM	Roane	2682 ac	PCBs Chlordane Mercury	NA NA L	Industrial Point Source Contaminated Sediments Atmospheric Deposition	Fishing advisory due to PCBs. DOE Reservation impacts. Category 5. EPA approved a PCB/chlordane TMDL that addresses some of the known pollutants. EPA should produce TMDL for DOE. EPA assistance requested for atmospheric mercury TMDLs.
TN06010207 004 – 0100	GRABLE BRANCH	Knox	1.3	Oil & Grease Loss of biological integrity due to siltation Physical Substrate Habitat Alterations	L NA LNA	Industrial Point Source Channelization Industrial Permitted Runoff Discharges from MS4 area	Truck stops near I-40. Category 5. EPA approved a siltation TMDL that addresses some of the known pollutants.

[Draft Version 2016 303\(d\) LIST \(Clinch River continued\)](#)

Waterbody ID	Impacted Waterbody	County	Miles/Acres Impaired	CAUSE /TMDL Priority	Pollutant Source	COMMENTS
TN06010207 006 - 1000	MELTON HILL RESERVOIR	Anderson Knox Loudon Roane	5690 ac	PCBs Chlordane	NA NA	Fishing advisory due to PCBs and chlordane. Category 4a. EPA approved a PCB/chlordane TMDL for the known pollutants.
TN06010207 006T – 0900	SCARBORO CREEK	Anderson	1.99	Escherichia coli	H	Urbanized High Density Area MS4 Stream is Category 5. (One or more uses impaired.) TMDL needed.
TN06010207 006T – 1100	ERNIES CREEK	Anderson	4.1	Escherichia coli	H	Urbanized High Density Area MS4 Stream is Category 5. (One or more uses impaired.)
TN06010207 011 – 0300 0200	WILLOW FORK	Knox	5.9	Alteration in stream-side or littoral vegetative cover NA Loss of biological integrity due to siltation Escherichia coli	L NA NA	Stream is Category 5 4a. EPA approved a siltation and pathogen TMDLs for some one of the known pollutants. This segment also covered by the existing HUC-12 based siltation/habitat alterations TMDL approved by EPA on 3/29/2006.
TN06010207 011 – 0500	HINES BRANCH	Knox	3.2	Other anthropogenic substrate alterations Escherichia coli	NA NA	Category 4a. EPA approved habitat and pathogen TMDLs for the known pollutants.
TN06010207 011 – 0600	KNOB FORK	Knox	8.1	Nitrate+Nitrite Loss of biological integrity due to siltation Habitat loss due to other	M NA	Category 5. EPA approved siltation/ habitat alteration and pathogen TMDLs that address some of the known pollutants.

				anthropogenic substrate alteration in stream-side or littoral vegetative cover Escherichia coli	LNA LNA NA		Additional TMDL needed.
TN06010207 011 – 0700	GRASSY CREEK	Knox	8.2	Loss of biological integrity due to siltation Escherichia coli	NA NA	Discharges from MS4 Area	Category 4a. EPA approved habitat and pathogen TMDLs for the known pollutants.
TN06010207 011 – 0800	MEADOW CREEK	Knox	4.96	Escherichia coli	NA	Discharges from MS4 Area	Category 4a. EPA approved a pathogen TMDL for the known pollutant.
TN06010207 011 – 0900	PLUMB CREEK	Knox	5.3	Escherichia coli	H	Discharges from MS4 Area	Category 4a. EPA approved a pathogen TMDL for the known pollutant.
TN06010207 011 – 1000	BEAVER CREEK	Knox	22.5	Total Phosphorus Nitrate+Nitrite Escherichia coli Low Dissolved Oxygen Loss of biological integrity due to siltation Physical Substrate Habitat Alterations	M ML NA L NA LNA	Municipal Point Source Collection System Failure Pasture Grazing Discharges from MS4 Area	Stream is Category 5. Impaired, but EPA has approved siltation and pathogen TMDLs that address some of the known pollutants. Additional TMDLs needed. TMDL Vision Priority Watershed

Draft Version 2016 303(d) LIST (Clinch River continued)

Waterbody ID	Impacted Waterbody	County	Miles/Acres Impaired	CAUSE /TMDL Priority	Pollutant Source	COMMENTS
TN06010207 011 – 2000	BEAVER CREEK	Knox	13.7	Escherichia coli Loss of biological integrity due to siltation Physical Substrate Habitat alterations	NA NA LNA	Category- 54a . Impaired, but EPA has approved siltation and pathogen TMDLs that address some of the known pollutants.
TN06010207 011 – 3000	BEAVER CREEK	Knox	7.5	Escherichia coli Loss of biological integrity due to siltation Physical Substrate Habitat alterations	NA NA LNA	Category- 54a . EPA approved siltation and a pathogen TMDLs that address essome <u>one</u> of the known pollutants. <u>This segment is also covered by the existing HUC-12 based siltation/habitat alterations TMDL approved by EPA on 3/29/2006.</u>
TN06010207 014 – 0100	WILLIAMS BRANCH	Knox	2.4	Loss of biological integrity due to siltation	NA	Category 4a. EPA approved a siltation TMDL that addresses the known pollutants.
TN06010207 014 – 0400	NORTH FORK BULLRUN CREEK	Union	19.0	Escherichia coli	HNA	Category-54a. EPA approved a pathogen TMDL that addresses the know pollutants

							This segment is covered by the existing HUC-12 (0201 and 0202) based pathogen TMDL approved by EPA 11/29/2005.
TN06010207 014 – 1000	BULLRUN CREEK	Knox Anderson	11.8	Escherichia coli NA	Discharges from MS4 Area Pasture Grazing		Category 54a. EPA approved a pathogen TMDL that addresses the know pollutants. EPA approved a pathogen TMDL that addresses the known pollutant.
TN06010207 014 2000	BULLRUN CREEK	Knox Union	15.6	Escherichia coli NA	Discharges from MS4 Area Pasture Grazing		Stream is Category 4a. This segment is covered by the existing HUC-12 (0201 and 0202) based pathogen TMDL approved by EPA 11/29/2005.
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.
TN06010207 016 – 0100	BUFFALO CREEK	Anderson	19.9	Nitrate+Nitrite <u>ML</u> Total Phosphorus <u>ML</u> Escherichia coli NA	Municipal Point Source Pasture Grazing		Stream is Category 5. This segment is covered by the existing HUC-12 (0201 and 0202) based pathogen TMDL approved by EPA 11/29/2005. Additional TMDLs needed. TMDL Vision Priority Watershed
TN06010207 016 – 0200	BYRAMS CREEK	Anderson Union	22.4	Escherichia coli H	Pasture Grazing		Stream is Category 5. (One or more uses impaired.) <u>TMDL needed.</u>
TN06010207 016 – 1000	HINDS CREEK	Anderson	6.7	Loss of biological integrity — due to siltation — L Alteration in stream-side — or littoral vegetative cover — L Escherichia coli <u>NAH</u>	Pasture Grazing		Stream is Category 5. <u>TMDL needed. Impaired but EPA has approved a pathogen TMDL that addresses some for the known pollutants.</u>
TN06010204 016 2000	HINDS CREEK	Anderson	7.1	Escherichia coli H	Pasture Grazing		Stream is Category 5. (One or more uses impaired.) TMDL needed.
TN06010207 016 – 3000	HINDS CREEK	Anderson Union	8.9	Escherichia coli NA	Pasture Grazing		Stream is Category 54a . Impaired, but EPA has approved a pathogen TMDL that addresses some of the known pollutants.

Draft Version 2016 303(d) LIST (Clinch River continued)

Waterbody	Impacted Waterbody	County	Miles/Acres	CAUSE /TMDL Priority	Pollutant Source	COMMENTS
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ID			Impaired			
TN06010207019_1000	CLINCH RIVER	Anderson	14.1	Temperature Alterations L Flow Alteration NA		Upstream Impoundment Stream is Category 5, but flow alteration is 4c (impact not caused by a pollutant). TVA has taken action to improve flows downstream of the dam
TN06010207019 – 2000	CLINCH RIVER	Anderson	7.4	Temperature Alterations L Flow Alteration NA	Upstream Impoundment	Clinch River below Norris does not meet biocriteria due to rapid temperature and flow changes. Category 5, but flow alteration is 4c (impact not caused by a pollutant). TVA has taken action to improve flows downstream of the dam.
TN06010207020_0400	INDIAN CREEK	Roane	6.8	Loss of biological integrity due to siltation L Alteration in stream-side or littoral vegetative cover L	Channelization Pasture Grazing	Stream is Category 5. (One or more uses impaired.)
TN06010207020 – 0500	COW CREEK	Anderson	6.5	Loss of biological integrity due to siltation L	Off-Road Vehicles	Stream is Category 5. (One or more uses impaired.) TMDL needed.
TN06010207020 – 1000	POPLAR CREEK	Roane Anderson	28.7	Nitrate+Nitrite M Total Phosphorus M	Municipal Point Source Collection System Failure	Stream is Category 5. (One or more uses impaired.) TMDLs needed.
TN06010207020 – 1300	MITCHELL BRANCH	Anderson	2.09	Hexavalent Chromium L PCBs L Physical Substrate Habitat Alterations L	CERCLA site Channelization	Stream is Category 5. TMDLs for DOE sites should be done by EPA.
TN06010207026 – 0600	BEAR CREEK	Roane Anderson	10.87	Cadmium L PCBs NA Mercury NA Nitrate+Nitrite M Escherichia coli NA	CERCLA site Undetermined Source	Category 5. Mercury and PCBs in fish. EPA approved a pathogen TMDL for someone of the known pollutants. A TMDL would not be helpful as the CERCLA ROD is the enforceable control strategy here. However, any TMDLs for pollutants originating from DOE facilities should be developed by EPA.
TN06010204026_0650	BEAR CREEK	Roane Anderson		Cadmium L PCBs L Mercury L Nitrate+Nitrite L	CERCLA site	Stream is Category 5. (One or more uses impaired.) TMDLs needed. However, any TMDLs for pollutants originating from DOE facilities should be developed by EPA.
TN06010207	EAST FORK POPLAR	Roane	9.7	PCBs L	Industrial Point Source	Impacted by releases at DOE's

026 – 1000	CREEK			Mercury Escherichia coli Loss of biological integrity due to siltation Nitrate+Nitrite Total Phosphorus	L NA NA M M	Municipal Point Source Contaminated Sediments Collection System Failure Urbanized High Density Area MS4	Oak Ridge facilities (K-25, Y-12, and ORNL). Fishing advisory due to mercury and PCBs. Bacteria levels are also elevated due to sources in the Oak Ridge area. Category 5. EPA approved siltation and pathogen TMDLs that address some of the known pollutants. EPA should develop the TMDL for DOE facilities.
TN06010207 026 – 2000	EAST FORK POPLAR CREEK	Anderson Roane	11.3	PCBs Mercury Escherichia coli Loss of biological integrity due to siltation Nutrients Other Anthropogenic Habitat Alterations	L L NA NA M M	Industrial Point Source Contaminated Sediments Urbanized High Density Area MS4	Same as previous segment. Category 5. EPA approved siltation and pathogen TMDLs that address some of the known pollutants. EPA should develop the TMDL for pollutants for DOE facilities.

Draft Version 2016 303(d) LIST (Clinch River continued)

Waterbody ID	Impacted Waterbody	County	Miles/Acres Impaired	CAUSE /TMDL Priority	Pollutant Source	COMMENTS	
TN06010207 028 – 1000	CANEY CREEK	Roane	5.0 6.8	Loss of biological integrity due to siltation — L Alteration of stream-side or littoral vegetative cover — L	Pasture Grazing	Stream is Category 5. (One or more uses impaired.)	
TN06010207 029 – 1000	COAL CREEK	Anderson	10.9	Total Phosphorus Escherichia coli	M NA	Municipal Point Source	Category 5. EPA approved a pathogen TMDL that addresses some of the known pollutants. Additional TMDL needed.
TN06010207 029 – 2000	COAL CREEK	Anderson	15.0	Escherichia coli	NA	Septic Tanks	Category 4a. EPA approved a pathogen TMDL for the known pollutant.
TN06010207 247 – 0100	MELTON BRANCH	Roane	2.0	Strontium	NA	CERCLA site	Category 4Bb for strontium. A TMDL would not be helpful as the CERCLA ROD is the enforceable control strategy here. However, any TMDLs for pollutants originating from DOE facilities should be developed by EPA.
TN06010207 247 – 1000	WHITEOAK CREEK	Anderson	5.3	Cesium Strontium Biological integrity loss due	NA NA	CERCLA site	Category 4Bb for strontium and cesium. A TMDL would not be helpful as the CERCLA

				to undetermined cause	L		ROD is the enforceable control strategy here. Category 5 for unknown toxicity. TMDLs for pollutants originating from DOE facilities should be developed by EPA.
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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 PCBs Chlordane	L NA NA	Industrial Point Source Atmospheric Deposition Contaminated Sediments	Fishing advisory. Category 5. EPA approved PCB and chlordane TMDLs that address some of the known pollutants. EPA assistance requested for atmospheric mercury TMDLs.
TN06010208 001 – 2000	WATTS BAR RESERVOIR, EMORY RIVER ARM	Roane	454.98 ac	Mercury PCBs Chlordane	L NA NA	Atmospheric Deposition Contaminated Sediments	Fishing advisory is due to PCBs. Category 5. EPA approved PCB and chlordane TMDLs that address some of the known pollutants. EPA assistance requested for atmospheric mercury TMDLs.
TN06010208 001 – 3000	WATTS BAR RESERVOIR, EMORY RIVER ARM	Roane	362.64 ac	Mercury PCBs Chlordane	L NA NA	Atmospheric Deposition Contaminated Sediments	Fishing advisory. Category 5. Approved chlordane and PCB TMDLs address some of the known pollutants. EPA assistance requested for atmospheric mercury TMDLs.
TN06010208 001 – 4000	EMORY RIVER	Roane Morgan	13.93	Mercury	L	Atmospheric Deposition	Fishing advisory. Category 5. EPA assistance requested for atmospheric mercury TMDLs.
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.
TN06010208 004 – 0200	FLAT FORK	Morgan	3.7	Nitrate+Nitrite Physical Substrate Habitat Alterations Loss of biological integrity due to siltation	L NA NA	Pasture Grazing Channelization	Category 5. EPA approved a siltation/habitat alteration TMDL that addresses some of the known pollutants. TMDL Vision Priority Watershed
TN06010208 004 – 0400	SUMMERS BRANCH	Morgan	5.0	Loss of biological integrity due to siltation	NA	Abandoned Mining	Category 5. EPA approved a siltation TMDL that addresses the known pollutants.
TN06010208	CROOKED FORK	Morgan	6.9	Nitrate+Nitrite	L	Municipal Point Source	This stream is Category 5.

004 – 1000				Low Dissolved Oxygen	L	Pasture Grazing	The stream is impaired for one or more uses. TMDL Vision Priority Watershed
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 alteration TMDL that addresses the known pollutants.
TN06010208 007 – 0210	SCANTLING BRANCH	Cumberland	1.98	Low Dissolved Oxygen Flow Alteration	L NA	Upstream Impoundment	Category 5. The stream is impaired for one or more uses. Flow alteration is not caused by a pollutant.

-Draft Version 2016 303(d) LIST (Emory River Watershed [continued](#))

Waterbody ID	Impacted Waterbody	County	Miles/Acres Impaired	CAUSE / TMDL Priority	Pollutant Source	COMMENTS	
TN06010208 007 – 2000	OBED RIVER	Morgan Cumberland	15.4	Total Phosphorus Nitrate+Nitrite	M M	Municipal Point Source Discharges from MS4 area Pasture Grazing	Outstanding National Resource Water and National Wild and Scenic River now impacted by excessive nutrients from Crossville area. Category 5. 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	Serious oil spill in this section of the Obed National Wild and Scenic River. Category 5. Provides habitat for the listed Spotfin chub (<i>Cyprinella monacha</i>) and Tangerine darter (<i>Percina aurantiaca</i>).
TN06010208 013 – 0200	LITTLE OBED RIVER	Cumberland	7.96	Total Phosphorus Nitrate+Nitrite Loss of biological integrity due to siltation Escherichia coli	M NA M	Discharges from MS4 area Collection System Failure	Category 5. EPA approved a siltation TMDL that addresses some of the known pollutants.
TN06010208 013 – 0400	DROWNING CREEK	Cumberland	13.1	Loss of biological integrity due to siltation	NA	Pasture Grazing	Category 4A. EPA approved a siltation/habitat alteration TMDL that addresses the known pollutants.
TN06010208 013 – 0420	COPELAND CREEK	Cumberland	20.4	Loss of biological integrity due to siltation	NA	Pasture Grazing	Category 4A. EPA approved a siltation TMDL that addresses the known pollutant.

TN06010208 013 – 1000	OBED RIVER	Cumberland	14.5	Nitrate+Nitrite Total Phosphorus	M M	Municipal Point Source Discharges from MS4 area	Category 5. 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	Below Lake Holiday near Crossville. Category 4A, but flow alteration is 4c (impact not caused by a pollutant). EPA approved a habitat alteration TMDL that addresses the known pollutant.

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

Waterbody ID	Impacted Waterbody	County	Miles/Acres Impaired	CAUSE / TMDL Priority	Pollutant Source	COMMENTS	
TN06010208 015 – 0600	LICK CREEK	Cumberland	12.5	Low Dissolved Oxygen Flow Alteration	M L	Upstream Impoundment	Category 5 for low DO. Flow alteration is 4c (impact not caused by a pollutant).
TN06010208 015 – 0610	LONG BRANCH	Cumberland	2.2	Loss of biological integrity due to siltation Flow Alterations	NA	Sand/Gravel/Rock Mining Upstream Impoundment	Category 4a. EPA approved a siltation TMDL that addresses the known pollutant.
TN06010208 015 – 0900	BYRD CREEK	Cumberland	32.01	Low Dissolved Oxygen	L	Upstream Impoundment	Category 5 (impaired for one or more uses).
TN06010208 015 – 0930	ONE MILE CREEK	Cumberland	8.5	Loss of biological integrity due to siltation Escherichia coli	NA M	Land Development Collection System Failure	Category 5. EPA approved a siltation TMDL that addresses some of the known pollutants.
TN06010208 015 – 1111	BAGWELL BRANCH	Cumberland	3.32	Flow Alteration	NA	Upstream Impoundment	Category 4c. Impacts not from a pollutant
TN06010208 015 – 1150	NORTH CREEK	Cumberland	1.83	Flow Alteration	NA	Upstream Impoundment	Category 4c. Impacts not from a pollutant
TN06010208 015 – 1410	BLACK GUM BRANCH	Cumberland	1.41	Flow Alteration	NA	Upstream Impoundment	Category 4c. Impacts not from a pollutant
TN06010208 020 – 0100	SMITH BRANCH	Morgan	5.4	pH	NA	Abandoned Mines	Category 4a. A pH TMDL addresses the known pollutant.
TN06010208 020 – 0400	GOLLIHER CREEK	Morgan	5.6	Aluminum Manganese Iron pH	M H H NA	Abandoned Mines	Category 5. EPA approved pH TMDL that addresses some of the known pollutants.
TN06010208 020 – 0500	FAGAN MILL CREEK	Morgan	2.6	Aluminum Manganese pH	M H NA	Abandoned Mines	Category 5. EPA approved pH TMDL that addresses some of the known pollutants.
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.

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	Precautionary fishing advisory for catfish. The federally listed fish, the snail darter (<u>Percina tansi</u>), has been documented. Category 5.

Draft Version 2016 303(d) LIST (Lower Tennessee River Watershed continued)

Waterbody ID	Impacted Waterbody	County	Miles/Acres Impaired	CAUSE / TMDL Priority	Pollutant Source	COMMENTS
TN06020001 001T – 0200	NORTH MARKET STREET BRANCH	Hamilton	1.93	Total Phosphorus M Physical Substrate Habitat Alterations L Escherichia coli NA	Discharges from MS4 Area Collection System Failure	In North Chattanooga. Category 5. EPA approved a pathogen TMDL that addresses some of the known pollutants. <u>Additional TMDLs needed.</u>
TN06020001 003 – 0300	UNNAMED TRIB TO LOOKOUT CREEK	Hamilton	2.0	Unknown Toxicity L Escherichia coli <u>HM</u>	Discharges from MS4 area Collection System Failure	Category 5. <u>TMDLs needed.</u>
TN06020001 003 – 0400	BLACK CREEK	Hamilton	11.35	Alteration in stream-side or littoral vegetative cover L Escherichia coli <u>HM</u>	Discharges from MS4 area	Category 5. <u>TMDLs needed.</u>
TN06020001 007 – 0100	FRIAR BRANCH	Hamilton	18.94	Loss of biological integrity due to siltation NA Nutrients M Physical Substrate Habitat Alteration NA Escherichia coli NA	Land Development Discharges from MS4 area Collection System Failure	Category 5. EPA approved siltation/habitat alteration and pathogen TMDLs that address some of the known pollutants. <u>Additional TMDL needed.</u>
<u>TN06020001 007_0120</u>	<u>UNNAMED TRIB TO FRIAR BRANCH</u>	<u>Hamilton</u>	<u>2.71</u>	<u>Loss of biological integrity due to siltation NA Alteration in stream-side or littoral vegetative cover NA</u>	<u>Discharges from MS4 area</u>	<u>Category 4a. This segment is covered by the existing HUC-12 based siltation/habitat alterations TMDL approved by EPA on 9/25/2006.</u>
TN06020001 007 – 0200	UNNAMED TRIB TO SOUTH CHICKAMAUGA CREEK	Hamilton	1.1	Nutrients L Escherichia coli NA Other Anthropogenic Habitat <u>LossAlteration</u> NA	Collection System Failure Discharges from MS4 area Channelization	Category 5. EPA approved <u>a</u> pathogen <u>and habitat alteration</u> TMDL that addresses <u>someone</u> of the known pollutants. <u>This segment is covered by the existing HUC-12 based siltation/habitat</u>

						alterations TMDL approved by EPA 9/25/2006. Additional TMDL needed.
TN06020001 007 – 0300	MACKEY BRANCH	Hamilton	15.66	Physical Substrate Habitat Alterations L NA Loss of biological integrity due to siltation L NA Escherichia coli NA	Discharges from MS4 Area Collection System Failure	Category 5 4a. EPA approved a pathogen TMDL for some one of the known pollutants. This segment is covered by the existing HUC-12 based siltation/habitat alterations TMDL approved by EPA 9/25/2006.
TN06020001 007 – 0510	SPRING CREEK	Hamilton	9.6	Loss of biological integrity due to siltation L NA Escherichia coli NA	Discharges from MS4 area Collection System Failure	Category 5 4a. EPA approved a pathogen TMDL that addresses some one of the known pollutants. This segment is covered by the existing HUC-12 based siltation/habitat alterations TMDL approved by EPA 9/25/2006.
TN06020001 007 – 1000	SOUTH CHICKAMAUGA CREEK	Hamilton	17.6	Total Phosphorus M 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	Some pollutants from GA. The federally listed fish, the snail darter (<i>Percina tansi</i>), has been documented. Category 5. Approved pathogen and habitat alteration TMDLs address some pollutants. Additional TMDL needed.
TN06020001 020T_0100	RATTAN CREEK	Rhea	4.64	Alteration in stream-side or littoral vegetative cover L	Pasture Grazing	Category 5. 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. TMDLs needed.
TN06020001 020T_0400	LICK BRANCH	Meigs	1.68	Escherichia coli L	Pasture Grazing	Category 5. TMDL needed.
TN06020001 020T_0510	UNNAMED TRIB DRY BRANCH	Hamilton Meigs	1.2	Escherichia coli L	Pasture Grazing	Category 5. TMDL needed.
TN06020001 020T_0600	PENNY BRANCH	Hamilton	7.14	Escherichia coli L	Pasture Grazing	Category 5. TMDL needed.
TN06020001 029 – 0100	WOLFE BRANCH	Hamilton	6.3	Alteration in stream-side or littoral vegetative cover L NA Loss of biological integrity due to siltation L NA Escherichia coli NA	Non-irrigated Crop Production Pasture Grazing	Category 5 4a. EPA approved a pathogen TMDL that addresses some one of the known pollutants. This segment is covered by the existing HUC-12 based siltation/habitat alterations

Draft Version 2016 303(d) LIST (Lower Tennessee River Watershed continued)

Waterbody ID	Impacted Waterbody	County	Miles/Acres Impaired	CAUSE / TMDL Priority	Pollutant Source	COMMENTS
TN06020001 029 – 0200	UNNAMED TRIB TO SAVANNAH CREEK	Hamilton	4.5 2.89	Loss of biological integrity due to siltation NA Nitrate+Nitrite M Total Phosphorus M Escherichia coli NA	Pasture Grazing Upstream Impoundment	Category 5. EPA approved a pathogen TMDL that addresses some of the known pollutants. <u>Additional TMDLs needed.</u>
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 M Total Phosphorus M Low Dissolved Oxygen L Escherichia coli NA	Confined-Concentrated Animal Feeding Operations (Nonpoint) Pasture Grazing	Category 5. EPA approved <u>a pathogen and habitat alteration TMDLs</u> that address <u>some-one</u> of the known pollutants. <u>This segment is covered by the existing HUC-12 based siltation/habitat alterations TMDL approved by EPA 9/25/2006. Additional TMDLs needed.</u>
TN06020001 029 – 1000	SAVANNAH CREEK	Hamilton	15-025.36	Loss of biological integrity due to siltation NA Alteration in stream-side or littoral vegetative cover L Total Phosphorus M Escherichia coli NA	Pasture Grazing Nonirrigated Crop Production	Stream is Category <u>54a. (One or more uses impaired.)</u> <u>Impaired, but EPA approved a pathogen TMDL for the known pollutant.</u>
TN06020001 038 – 0100	HARDIN CREEK	Meigs	3.6	Escherichia coli <u>HM</u>	Pasture Grazing	Stream is Category 5. (One or more uses impaired.) <u>TMDL needed.</u>
TN06020001 038 – 0200	GOODFIELD CREEK	Meigs	9.7	Escherichia coli <u>HM</u>	Pasture Grazing	Stream is Category 5. (One or more uses impaired.) <u>TMDL needed.</u>
TN06020001 038 – 0210	COLDWATER BRANCH	Meigs	6.8	Loss of biological integrity due to siltation L Alteration in stream-side or littoral vegetative cover L Total Phosphorus M Escherichia coli <u>HM</u>	Pasture Grazing	Stream is Category 5. (One or more uses impaired.) <u>TMDL needed.</u>
TN06020001 038 – 1000	DECATUR CREEK	Meigs	16.5	Escherichia coli <u>HM</u>	Pasture Grazing Collection System Failure	Stream is Category 5. (One or more uses impaired.) <u>TMDL needed.</u>
TN06020001 041 – 0100	TEN MILE CREEK	Meigs Roane	30.1	Loss of biological integrity due to siltation L	Pasture Grazing Septic Tanks	Stream is Category 5. (One or more uses impaired.) <u>TMDLs</u>

				Alteration in stream-side or littoral vegetative cover Total Phosphorus Escherichia coli <u>HM</u>	L M		needed.)
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-Draft Version 2016 303(d) LIST (Lower Tennessee River Watershed-continued)

Waterbody ID	Impacted Waterbody	County	Miles/Acres Impaired	CAUSE / TMDL Priority	Pollutant Source	COMMENTS
TN06020001 041 – 0110	HURRICANE CREEK	Meigs Roane	12.9	Dissolved Oxygen Loss of biological integrity due to siltation Alteration in stream-side or littoral vegetative cover Total Phosphorus Escherichia coli <u>HM</u>	L L L M	Pasture Grazing Stream is Category 5. (One or more uses impaired.) TMDLs needed.
TN06020001 041 – 03090500	LITTLE SEWEE CREEK	Meigs McMinn	22.76	Loss of biological integrity due to siltation Alteration in stream-side or littoral vegetative cover Escherichia coli <u>HM</u>	L L	Pasture Grazing Stream is Category 5. (One or more uses impaired.) TMDLs needed.
TN06020001 041 – 03290520	BIVENS BRANCH	McMinn	2.2	Low Dissolved Oxygen Total Phosphorus Nitrate+Nitrite Escherichia coli	L M M NA	Animal Feeding Operations — (Nonpoint) Confined-Confined Animal Feeding Operation Category 5. EPA approved a pathogen TMDL for some of the known pollutants. Additional TMDLs needed.
TN06020001 041 – 03390530	SOUTH FORK LITTLE SEWEE CREEK	Meigs McMinn	11.61	Escherichia coli <u>HM</u>		Pasture Grazing Stream is Category 5. (One or more uses impaired.) TMDL needed.
TN06020001 041 0532	COLLINS BRANCH	McMinn	3.27	Escherichia coli	L	Pasture Grazing Category 5. TMDL needed.
TN06020001 041 – 04090600	DAVIS CREEK	Meigs	9.2	Loss of biological integrity due to siltation Alteration in stream-side or littoral vegetative cover Escherichia coli <u>HM</u>	L L	Pasture Grazing Stream is Category 5. (One or more uses impaired.) TMDLs needed.
TN06020001 041 – 05090700	BLACK ANKLE CREEK	Meigs	9.1	Escherichia coli <u>HM</u>		Pasture Grazing Stream is Category 5. (One or more uses impaired.) TMDL needed.
TN06020001 041 – 06090800	DRY FORK CREEK	Meigs	8.0	Loss of biological integrity due to siltation Alteration in stream-side or littoral vegetative cover	L L	Pasture Grazing Stream is Category 5. (One or more uses impaired.) TMDLs needed.

				Total Phosphorus Escherichia coli HM	M	
TN06020001 041 – 06100810	HUTSEL BRANCH	Meigs	4.0	Escherichia coli HM		Pasture Grazing
TN06020001 041 – 1000	SEWEE CREEK	Meigs	15.0	Escherichia coli HM		Pasture Grazing
TN06020001 041 – 2000	BIG SEWEE CREEK	Meigs McMinn	16.2	Alteration in stream-side —or littoral vegetative cover— Escherichia coli HM	L	Pasture Grazing
TN06020001 048 – 0100	MORGAN CREEK	Rhea	12.8	Loss of biological integrity due to siltation	L	Undetermined Source
TN06020001 048 – 0200	POLEBRIDGE CREEK	Rhea Bledsoe	14.9	Loss of biological integrity due to siltation	L	Specialty Crop Production

Draft Version 2016 303(d) LIST (Lower Tennessee River Watershed continued)

Waterbody ID	Impacted Waterbody	County	Miles/Acres Impaired	CAUSE / TMDL Priority		Pollutant Source	COMMENTS
TN06020001 048 – 0450	LAUREL CREEK	Rhea	0.63	Habitat loss due to stream Flow alteration NA Low Dissolved Oxygen L		Upstream Impoundment	Stream randomly selected for Impounded Streams Study. Category 5, but flow alteration is 4c (impact not caused by a pollutant).
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	Stream is Category 5. (One or more uses impaired.) <u>TMDLs needed.</u>
TN06020001 057 – 0200_0250	ROARING CREEK	Rhea	5.3	Physical Substrate Habitat — Alteration — L		Channelization	In addition to channelization, some illegal rock harvesting in this stream. Category 5.
TN06020001 057 – 0400_0500	HICKMAN BRANCH	Rhea	5.0	Alteration in stream-side —or littoral vegetative cover— L Loss of biological integrity — due to siltation — L		Pasture Grazing	Stream is Category 5. (One or more uses impaired.)
TN06020001 060_0200	LAUREL BRANCH	Bledsoe	4.65	Bifenthrin L Loss of biological integrity due to - siltation L		Irrigated Crop Production	Category 5. TMDLs needed.
TN06020001	LITTLE POSSUM	Hamilton	10.7	Loss of biological integrity due to		Irrigated Crop Production	Category 5. TMDLs needed.

<u>062 0200</u>	<u>CREEK</u>	<u>Bledsoe</u>		<u>siltation</u> L <u>Unknown toxicity</u> L		
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.) <u>TMDLs needed.</u>
TN06020001 062 – 1000	POSSUM CREEK	Hamilton Bledsoe	13.19	pH H Iron H Physical Substrate Habitat Alteration L Unknown Toxicity L	<u>Abandoned Mining</u> <u>Channelization</u> <u>Irrigated Crop Production</u>	<u>In addition to channelization some illegal rock harvesting in this stream.</u> Category 5. (One or more uses impaired.) TMDLs needed.
TN06020001 064 – 0120	MOWBRAY CREEK	Hamilton	1.8	Unknown Toxicity L	Upstream Impoundment	In addition to channelization, some illegal rock harvesting in this stream. Category 5.
TN06020001 064 – 0210	SAWMILL CREEK	Sequatchie	7.2	pH L	Upstream Impoundment	In addition to channelization, some illegal rock harvesting in this stream. Category 5. <u>TMDL needed.</u>
<u>TN06020001 064 2000</u>	<u>SODDY CREEK</u>	<u>Hamilton Sequatchie</u>	<u>5.75</u>	<u>Loss of biological integrity due to</u> <u>siltation</u> L <u>Unknown toxicity</u> L	<u>Non-irrigated Crop Production</u> <u>Irrigated Crop Production</u>	<u>Category 5. TMDLs needed.</u>
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 HM	Discharges from MS4 Area Land Development	Near Grubb Road. Category 5. EPA approved a siltation/ habitat alteration TMDL that addresses some of the known pollutants. <u>TMDL needed.</u>
TN06020001 067 – 0210	NINEMILE BRANCH	Hamilton	4.0	Low Dissolved Oxygen L Physical Substrate Habitat Alterations NA Escherichia coli HM	Discharges from MS4 area Channelization	Category 5. EPA approved a habitat alteration TMDL that addresses some of the known pollutants. <u>TMDLs needed.</u>
TN06020001 067 – 0500	BOSTON BRANCH	Hamilton	1.12	Habitat loss due to stream Flow alteration NA	Upstream Impoundment	Randomly selected for the Impounded Streams Study. Category 4c. Impacts are not caused by a pollutant.

Draft Version 2016 303(d) LIST (Lower Tennessee River Watershed continued)

Waterbody ID	Impacted Waterbody	County	Miles/Acres Impaired	CAUSE / TMDL Priority	Pollutant Source	COMMENTS
TN06020001 067 – 0600	STANDIFER CREEK	Sequatchie	3.9	pH NA	Abandoned Mining	Category 4a. EPA approved a pH TMDL that addresses the known pollutant.
TN06020001 067 – 1100	HOGSKIN BRANCH	Hamilton	0.77	pH NA Iron HL	Abandoned Mining	Category 4a 5. <u>Impaired, but</u> EPA approved a pH TMDL that addresses the known

				Aluminum HL			pollutant. Additional TMDLs needed.
TN06020001 067 – 1400	ROGERS BRANCH	Hamilton	1.9	Low dissolved oxygen Habitat loss due to stream Flow alterations	M NA	Discharges from MS4 area Upstream Impoundment	Category 5, but flow alteration is 4c (impact not caused by a pollutant).
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 086 – 1000	GRASSHOPPER CREEK	Hamilton	8.1	Escherichia coli HM		Pasture Grazing	Stream is Category 5. (One or more uses impaired.) TMDLs needed.
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 for the known pollutant.
TN06020001 109 – 0200	FRUEDENBERG CREEK	Hamilton	1.4	Iron Low Dissolved Oxygen pH HL	H L	Abandoned Mining	Stream is Category 5. (One or more uses impaired.) TMDLs needed.
TN06020001 109 – 0300	SHORT CREEK	Hamilton	2.5	Escherichia coli Nitrate+Nitrite	NA M	Discharges from MS4 Area Septic Tanks	Stream is Category 5. (One or more uses impaired.) EPA approved a pathogen TMDL for the known pollutant. Additional TMDL needed.
TN06020001 109 – 0400	BEE BRANCH	Hamilton	1.55	Loss of biological integrity due to siltation Escherichia coli	L NA	Discharges from MS4 Area Septic Tanks	Stream is Category 5. (One or more uses impaired.) EPA approved a pathogen TMDL for the known pollutant. Additional TMDL needed.
TN06020001 1240 – 0100	UNNAMED TRIB TO CITICO CREEK	Hamilton	1.2	Low Dissolved Oxygen Total Phosphorus Escherichia coli Other Anthropogenic Habitat Alterations	L M NA NA	Collection System Failure Discharges from MS4 area Urbanized High Density Area	Water contact advisory. Orchard Grove area of Chattanooga. Category 5. EPA approved habitat alteration and pathogen TMDLs address some of the known pollutants. Additional TMDLs needed.
TN06020001 1240 – 1000	CITICO CREEK	Hamilton	6.1	Nitrate+Nitrite Total Phosphorus Low dissolved oxygen Escherichia coli Other Anthropogenic Habitat Alterations PCBs	M M L NA NA L	Collection System Failure Discharges from MS4 area Urbanized High Density Area Contaminated Sediment	Category 5. EPA approved pathogen and habitat alteration TMDLs that address some of the known pollutants. Additional TMDLs needed.

Draft Version 2016 303(d) LIST (Lower Tennessee River Watershed [continued](#))

Waterbody	Impacted Waterbody	County	Miles/Acres	CAUSE / TMDL Priority	Pollutant Source	COMMENTS
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ID			Impaired				
TN06020001 1244 – 0100	DOBBS BRANCH	Hamilton	5.3	Unionized Ammonia Nitrate+Nitrite Total Phosphorus Low dissolved oxygen Escherichia coli Other Anthropogenic Habitat Alterations	M M M L NA NA	Collection System Failure Urbanized High Density Area	Category 5. EPA approved pathogen and habitat alteration TMDLs that address some of the known pollutants. Additional TMDLs needed.
TN06020001 1244 – 0200	UNNAMED TRIB TO CHATTANOOGA CREEK	Hamilton	1.4	Loss of biological integrity due to siltation Low Dissolved Oxygen Escherichia coli Other Anthropogenic Habitat Alterations	NA L NA NA	Combined Sewer Overflows Urbanized High Density Area Discharges from MS4 Area	Near Cedar Hill School. Category 4a. EPA approved pathogen and habitat alteration TMDLs that address the known pollutants. Additional TMDLs needed.
TN06020001 1244 – 0300	MCFARLAND SPRINGS BRANCH	Hamilton	1.2	Unknown Toxicity Escherichia coli	L NA	Source in Other State	Sources in Rossville. Category 5. EPA approved a pathogen TMDL for some of the known pollutants. GA or EPA should do TMDL. Additional TMDL needed.
TN06020001 1244 – 0400	GILLESPIE SPRINGS BRANCH	Hamilton	1.9	Escherichia coli Other Anthropogenic Habitat Alterations Unionized Ammonia Nitrate+Nitrite	NA NA M M	Discharges from MS4 area Urbanized High Density Area	Category 5. Impaired, but EPA approved pathogen and habitat TMDLs for some of the known pollutants. Additional TMDLs needed.
TN06020001 1244 – 1000	CHATTANOOGA CREEK	Hamilton	8.4	PCBs Dioxins Low dissolved oxygen Escherichia coli Other Anthropogenic Habitat Alterations Creosote	NA NA L NA NA L	Combined Sewer Overflows Discharges from MS4 area Urbanized High Density Area Contaminated Sediment	Water contact and fishing advisories in this section. Some contaminated sediment removed by Superfund. Category 5. Approved PCB, dioxin, pathogen and habitat alteration TMDLs address some of the known pollutants. Additional TMDLs needed.
TN06020001 1244 – 2000	CHATTANOOGA CREEK	Hamilton	3.5	Escherichia coli	NA	Source in Other State	Water contact advisory. Pathogens in this section originate in GA. Category 4a. EPA approved a pathogen TMDL for the known pollutant.
TN06020001 421 – 0100	SOUTH SUCK CREEK	Marion	9.2	pH	NA	Abandoned Mining	Category 4a. EPA approved a pH TMDL for the known pollutant.

-Draft Version 2016 303(d) LIST (Lower Tennessee River Watershed [continued](#))

Waterbody	Impacted Waterbody	County	Miles/Acres	CAUSE / TMDL Priority	Pollutant Source	COMMENTS
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ID			Impaired				
TN06020001 426 – 0200	STRINGERS BRANCH	Hamilton	5.8	Escherichia coli Other Anthropogenic Habitat Alterations Nitrate+Nitrite	NA NA M	Collection System Failure Discharges from MS4 area Urbanized High Density Area	Water contact advisory. Stream heavily culverted. Category 4a 5. EPA approved pathogen and habitat alteration TMDLs that address the known pollutants. Additional TMDL needed.
TN06020001 426 – 1000	MOUNTAIN CREEK	Hamilton	4.67	Physical Substrate Habitat Alterations Escherichia coli	NA NA	Land Development Discharges from MS4 area	Category 4a. Approved pathogen and habitat alteration TMDLs address the known pollutants.
TN06020001 497 – 1000	UNNAMED TRIB. TO CHICKAMAUGA RESERVOIR	Hamilton	3.5	Biological integrity loss due to undetermined cause	M	Undetermined Source	Near Daisy Dallas Road. Category 5.
TN06020001 717 - 1000	YELLOW CREEK	Rhea	14.9	Alteration in stream side or littoral vegetative cover Loss of biological integrity due to siltation Escherichia coli HM	L L	Pasture Grazing Non-irrigated Row Crops	Category 5. 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.
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.
TN06020001 889 – 0200	CHESTNUT CREEK	Hamilton	8.1	Loss of biological integrity due to siltation	H	Discharges from MS4 Area	Stream is Category 5. (One or more uses impaired.)
TN06020001 889 – 0300	WILKERSON BRANCH	Hamilton	5.8	Escherichia coli	NA	Discharges from MS4 Area Pasture Grazing	Category 4a. EPA approved a pathogen TMDL for the known pollutant.
TN06020001 889_0400	HUNTER CREEK	Hamilton	9.2	Alteration in stream-side or littoral vegetative cover	L	Discharges from MS4 Area	Category 5. 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.
TN06020001 889_2000	WOLFTEVER CREEK	Hamilton	5.5	Alteration in stream side or vegetative cover	L		Category 5. TMDL needed.

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	AGENCY CREEK	Meigs	18.46	Escherichia coli NA	Pasture Grazing	Category 4a. EPA approved a

001 - 0100						pathogen TMDL that addresses the known pollutant.	
TN06020002 001 - 0200	GUNSTOCKER CREEK	Meigs Bradley Hamilton	25.0	Escherichia coli Alteration in stream-side or littoral vegetative cover	M M	Pasture Grazing	Category 5. TMDLs needed.
TN06020002 001 - 2000	HIWASSEE RIVER EMBAYMENT OF CHICKAMAUGA RESERVOIR	Meigs McMinn Bradley	3130 ac	Mercury	L	Atmospheric Deposition Industrial Point Source	Fishing advisory due to mercury in largemouth bass. Category 5. Assistance requested from atmospheric deposition TMDLs. EPA assistance requested for atmospheric mercury TMDLs.
TN06020002 002 - 0100	SUGAR CREEK	Meigs Bradley	9.0	Escherichia coli HM Alteration in stream-side or littoral vegetative cover Loss of biological integrity due to siltation Total Phosphorus Low Dissolved Oxygen	L L M L	Pasture Grazing Channelization	Category 5. TMDLs needed.
TN06020002 002 - 1000	LICK CREEK	Meigs Bradley	8.8	Alteration in stream-side or littoral vegetative cover	L	Pasture Grazing	Category 5. TMDLs needed.
TN06020002 005 - 0100	BLACK FOX CREEK	Bradley	19.55	Loss of biological integrity due to siltation Alteration in stream-side or littoral vegetative cover Escherichia coli HM	NA NA	Pasture Grazing	Category 5. EPA approved siltation and habitat alteration TMDLs that address some of the known pollutants. This segment is covered by the existing HUC-12 based siltation/habitat alterations TMDL approved by EPA on 1/31/2006.
TN06020002 005_0200	TAYLOR BRANCH	Bradley	8.11	Loss of biological integrity due to siltation Alteration in stream-side or littoral vegetative cover	NA NA	Pasture Grazing	Category 4a. This segment is covered by the existing HUC-12 based siltation/habitat alterations TMDL approved by EPA on 1/31/2006.
TN06020002 005 - 0600	RUNNER BRANCH	Bradley	4.97	Alteration in stream-side or littoral vegetative cover	NA	Pasture Grazing	Category-4a. This segment is covered by the existing HUC-12 based siltation/habitat alterations TMDL approved by EPA on 1/31/2006.
TN06020002 005 - 1000	CANDIES CREEK	Bradley	9.65	Loss of biological integrity due to siltation Escherichia coli HM	NA	Discharges from MS4 area Pasture Grazing	Category 5. EPA approved a siltation TMDL that addresses some of known pollutants. Additional TMDL needed.
TN06020002 005 - 1100	BEAVERDAM BRANCH	Bradley	3.07	Loss of biological integrity due to siltation	NA	Pasture Grazing	Stream is Category 5. EPA approved siltation and habitat

				Alteration in stream-side or littoral vegetative cover Escherichia coli <u>HM</u>	NA		alteration TMDLs that address some of the known pollutants. <u>Additional TMDL needed.</u>
TN06020002 005 - 1200	UNNAMED TRIB TO CANDIES CREEK	Bradley	1.55	Physical Substrate Habitat Alterations Loss of biological integrity due to siltation	NA NA NA	Pasture Grazing	Category 4a. EPA approved siltation and habitat alteration TMDLs that address the known pollutants..

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

Waterbody ID	Impacted Waterbody	County	Miles/Acres Impaired	CAUSE / TMDL Priority		Pollutant Source	COMMENTS
TN06020002 005 - 1300	UNNAMED TRIB TO CANDIES CREEK	Bradley	0.95	<u>Flow Alteration</u> <u>Alteration in stream-side</u> <u>—or littoral vegetative cover—</u> <u>Loss of biological integrity</u> <u>—due to siltation—</u> Escherichia coli <u>HM</u>	NA NA NA	<u>Upstream Impoundment</u> Pasture Grazing	Stream is Category 5. <u>Construction of new impoundment has changed causes and sources for impairment. Flow alteration is not a pollutant (4c). Additional TMDL needed. Impaired but EPA approved siltation and habitat alteration TMDLs that address some of the known pollutants.</u>
TN06020002 005 - 1400	UNNAMED TRIB TO CANDIES CREEK	Bradley	1.14	Loss of biological integrity —due to siltation—	NA	Undetermined Source	Category 4a. Impaired, but EPA has approved a siltation TMDL that addresses the known pollutants.
TN06020002 005 - 2000	CANDIES CREEK	Bradley	16.32	Physical Substrate Habitat Alterations Loss of biological integrity due to siltation Alteration in stream-side or littoral vegetative cover Escherichia coli <u>HM</u>	NA NA NA	Discharges from MS4 area Pasture Grazing Streambank Modifications Land Development	Category 5. Impaired, but EPA has approved siltation and habitat alteration TMDLs that address some of the known pollutants. <u>Additional TMDL needed.</u>
TN06020002 005 - 3000	CANDIES CREEK	Bradley	9.51	Loss of biological integrity due to siltation Alteration in stream-side or littoral vegetative cover Escherichia coli <u>HM</u>	NA NA	Pasture Grazing	Category 5. EPA approved a siltation/habitat alteration TMDL that addresses some of the known pollutants. <u>Additional TMDL needed.</u>
TN06020002 008 - 0100	BACON BRANCH	Bradley	3.36	<u>Unionized Ammonia</u> <u>Low Dissolved Oxygen</u> <u>Total Phosphorus</u> <u>Loss of biological integrity</u> <u>due to siltation</u>	<u>L</u> <u>L</u> <u>L</u> <u>NA</u>	<u>Concentrated Animal Feeding</u> <u>—Operation (CAFO)</u> Animal Feeding Operations	Category 5. TMDLs needed.

				<u>Alteration in stream-side or littoral vegetative cover</u> <u>NA</u> Escherichia coli <u>HM</u>		
<u>TN06020002 008 - 0200</u>	<u>UNNAMED TRIB TO HIWASSEE RIVER</u>	<u>Bradley</u>	<u>2.62</u>	<u>Alteration in stream-side or littoral vegetative cover</u> <u>L</u>	<u>Pasture Grazing</u> <u>Municipal High Density Area</u>	<u>Category 5. TMDL needed.</u>
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	Fishing advisory due to mercury. Category 5. EPA has approved a pathogen TMDL. <u>EPA should assist on the mercury TMDL. EPA assistance requested for atmospheric mercury TMDLs.</u>
TN06020002 008 – 2000	HIWASSEE RIVER EMBAYMENT OF CHICKAMAUGA RESERVOIR	Bradley McMinn	505 ac	Mercury L	Industrial Point Source Atmospheric Deposition	Fishing advisory due to mercury. Category 5. <u>EPA should assist on the mercury atmospheric deposition TMDL. EPA assistance requested for atmospheric mercury TMDLs.</u>
TN06020002 009 - 0100	LITTLE SOUTH MOUSE CREEK	Bradley	7.3	Alteration in stream-side or littoral vegetative cover NA Loss of biological integrity due to siltation NA	Pasture Grazing Channelization	Category 4a. <u>EPA approved siltation and habitat alteration TMDLs that addresses the known pollutants. This segment is covered by the existing HUC-12 based siltation/habitat alterations TMDL approved by EPA on 1/31/2006.</u>

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

Waterbody ID	Impacted Waterbody	County	Miles/Acres Impaired	CAUSE / TMDL Priority	Pollutant Source	COMMENTS
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. Impaired, but EPA approved pathogen, siltation and habitat alteration TMDLs that address the known pollutants.
TN06020002 009 - 0300	WOOLEN MILL BRANCH	Bradley	3.92	Low Dissolved Oxygen L Alteration in stream-side or littoral vegetative cover NA Nutrients M Escherichia coli NA	Discharges from MS4 area Industrial Stormwater Discharges Collection System Failure	Multiple fish kills due to sewage overflows. Category 5. EPA approved pathogen and habitat alteration TMDLs that addresses some of the known pollutants. <u>Additional TMDL needed.</u>
TN06020002	SOUTH MOUSE	Bradley	12.1	Escherichia coli	Discharges from MS4 area	Category 5. <u>TMDL needed.</u>

009 – 1000	CREEK			HM	Pasture Grazing Collection System Failure	
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, siltation and habitat alteration TMDLs that address the known pollutants.
TN06020002 012 – 0100	FIVE MILE BRANCH	Bradley	4.02	Alteration in stream-side or littoral vegetative cover NA	Golf Courses Pasture Grazing	Category 4a. This segment is covered by the existing HUC-12 based siltation/habitat alterations TMDL approved by EPA on 1/31/2006.
TN06020002 012 – 0200	LITTLE CHATATA CREEK	Bradley	14.3	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 Animal Feeding Operations Collection System Failure	Category 4a. Impaired, but EPA has approved pathogen, siltation and habitat alteration TMDLs that address the known pollutants.
TN06020002 012 – 0300	RATTLESNAKE BRANCH	Bradley	2.98	Nitrate+Nitrite L Alteration in stream-side or littoral vegetative cover -NA Escherichia coli L	Pasture Grazing Animal Feeding Operations	Category 5 This segment is covered by the existing HUC-12 based siltation/habitat alterations TMDL approved by EPA on 1/31/2006. Additional TMDLs needed.
TN06020002 012 – 1000	CHATATA CREEK	Bradley	19.62	Loss of biological integrity due to siltation NA Physical Substrate Habitat Alterations NA Escherichia coli NA	Discharges from MS4 area Pasture Grazing Animal Feeding Operations	Category 4a. Impaired, but EPA has approved pathogen, siltation and habitat alteration TMDLs that address the known pollutants.
TN06020002 014 – 0100	LITTLE SOUTH CHESTUEE CREEK	Bradley Polk	10.61	Loss of biological integrity due to siltation M	Pasture Grazing	Category 5. TMDL needed.
TN06020002 014 – 1000	SOUTH CHESTUEE CREEK	Bradley	8.77	Escherichia coli HM	Pasture Grazing	Category 5. TMDL needed.
TN06020002 014 – 2000	SOUTH CHESTUEE CREEK	Bradley	9.81	Total Phosphorus M Loss of biological integrity due to siltation L Escherichia coli HM	Pasture Grazing	Category 5. TMDLs needed.
TN06020002 018 – 0100	HAWKINS BRANCH	Polk	1.86	Escherichia coli NA	Pasture Grazing	Category 4a. EPA approved a pathogen TMDL that addresses the known pollutant.

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Waterbody ID	Impacted Waterbody	County	Miles/Acres Impaired	CAUSE / TMDL Priority	Pollutant Source	COMMENTS
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TN06020002 018 – 0200	DAIRY BRANCH	Polk	1.78	<u>Flow Alterations</u> Escherichia coli	NA NA	<u>Upstream Impoundment</u> Pasture Grazing	Category 4a. EPA approved a pathogen TMDL that addresses the known pollutant. <u>Flow is 4c not a pollutant.</u>
TN06020002 018 – 0300	SICCOWEE BRANCH	Polk	3.23	Escherichia coli HM		Undetermined Source	Category 5. TMDLs needed.
TN06020002 018 – 0550	SPRING CREEK	Monroe	7.01	Loss of biological integrity due to siltation	L	Pasture Grazing	Category 5. TMDLs needed.
TN06020002 018 – 0950	COKER CREEK	Monroe	2.6744-55	Loss of biological integrity due to siltation	L	Dredge Mining	Category 5. Recent gold mining has impacted stream. <u>TMDLs eeded.</u>
TN06020002 018 –2000	HIWASSEE RIVER	Polk	10.9	Flow Alteration Temperature Alteration	NA L	Hydrostructure Flow Regulation	Provides habitat for the federally listed Cumberland bean pearly mussel (<i>Villosa trabalis</i>), plus the tan riffleshell, snail darter, and Ruth's Golden Aster. Category 5, but flow alteration is Category 4c. (Impacts not caused by a pollutant.)
TN06020002 018 – 3000 & 4000	HIWASSEE RIVER	Polk	11.4	Flow Alteration	NA	Upstream Impoundment	Habitat for the federally listed Cumberland bean pearly mussel (<i>Villosa trabalis</i>). Section between Appalachia Dam and Powerhouse impacted by flow diversions. Category 5, but flow alteration is Category 4c. (Impacts not caused by a pollutant.)
TN06020002 081 – 0100	CANE CREEK	McMinn	13.7	Escherichia coli	NA	Collection System Failure <u>Pasture Grazing</u>	Category 4a. EPA approved a pathogen TMDL for the known pollutant.
<u>TN06020002</u> <u>081 – 0150</u>	<u>CANE CREEK</u>	<u>McMinn</u>	<u>7.0</u>	<u>Alteration in stream-side</u> <u>or littoral vegetative cover</u>	<u>NA</u>	<u>Pasture Grazing</u>	<u>Category 4a This segment is covered by the existing HUC-12 based siltation/habitat alterations TMDL approved by EPA on 1/31/2006.</u>
TN06020002 081 – 0700	DRY CREEK	Monroe	11.12	Alteration in stream-side or littoral vegetative cover	NA	Pasture Grazing	Category 4a. EPA approved a habitat TMDL for the known pollutant. <u>This segment is covered by the existing HUC-12 based siltation/habitat alterations TMDL approved by EPA on 1/31/2006.</u>
TN06020002 081 – 1000	CONASAUGA CREEK	McMinn Monroe	33.99	<u>Alteration in stream-side</u> <u>or littoral vegetative cover</u> Loss of biological integrity	<u>NA</u>	Municipal Urbanized Area Pasture Grazing	Category 4a. EPA approved a siltation TMDL that addresses the known pollutant. <u>This</u>

				due to siltation	NA		segment is covered by the existing HUC-12 based siltation/habitat alterations TMDL approved by EPA on 1/31/2006.
TN06020002 082 – 0300	MIDDLE CREEK	McMinn Monroe	15.5	Alteration in stream-side or littoral vegetative cover <u>L</u> Escherichia coli HM		Collection System Failure Pasture Grazing	Pathogens impact both recreation and the use of the creek as a domestic water supply. Category 5. TMDLs needed.

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Waterbody ID	Impacted Waterbody	County	Miles/Acres Impaired	CAUSE / TMDL Priority	Pollutant Source	COMMENTS	
TN06020002 082 – 0800	CARSON BRANCH	McMinn Monroe	1.59	Flow Alteration	NA	Upstream Impoundment	Category 4C. Impact not caused by a pollutant.
TN06020002 082 – 0900	LITTLE CHESTUEE CREEK	McMinn Monroe	13.3	Alteration in stream-side or littoral vegetative cover <u>L</u> Escherichia coli	NA	Concentrated Animal Feeding Operation (CAFO) Pasture Grazing	Category 4a. EPA approved a pathogen TMDL that addresses the known pollutant.
TN06020002 082 – 1100	BURGER BRANCH	McMinn	6.4	Alteration in stream-side or littoral vegetative cover <u>L</u>		Pasture Grazing	Category 5. TMDL needed.
TN06020002 082 – 1200	TOM FOEMAN CREEK	McMinn e	13.1	Escherichia coli HM		Pasture Grazing Animal Feeding Operation	Category 5. TMDL needed.
TN06020002 082 – 1300	BIG FOOT CREEK	McMinn	16.0	Escherichia coli HM		Pasture Grazing	Category 5. 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.
TN06020002 083 – 0300	CEDAR SPRINGS BRANCH	McMinn	4.61	Alteration in stream-side or littoral vegetative cover <u>L</u>		Pasture Grazing Discharges from MS4 Area	Category 5. TMDL needed.
TN06020002 083 – 0400	SOKEY BRANCH	McMinn	2.32	Alteration in stream-side or littoral vegetative cover <u>L</u> Loss of biological integrity due to siltation <u>L</u>		Discharges from MS4 Area	Category 5. TMDL needed.
TN06020002 083 – 05400	BLACK BRANCH	McMinn	1.98	Alteration in stream-side or littoral vegetative cover <u>L</u> Loss of biological integrity due to siltation <u>L</u> Escherichia coli HM		Pasture Grazing Animal Feeding Operation	Category 5. TMDLs needed.
TN06020002 083 – 05410	WALKER BRANCH	McMinn	1.8	Alteration in stream-side or littoral vegetative cover Escherichia coli HM	NA	Pasture Grazing Discharges from MS4 Area	Category 5. EPA approved a habitat TMDL for the known pollutant.

TN06020002 083 – 1000	OOSTANAULA CREEK	McMinn	5.7	<u>Alteration in stream-side or littoral vegetative cover</u> L <u>Loss of biological integrity due to siltation</u> L Escherichia coli NA	Pasture Grazing	Category 4a. EPA approved a pathogen TMDL that addresses the known pollutant.
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.
TN06020002 083 – 3000	OOSTANAULA CREEK	McMinn	7.4	<u>Nitrate+Nitrite</u> L Total Phosphorus M Loss of biological integrity due to siltation NA Escherichia coli NA	Municipal Point Source Discharge Discharges from MS4 area	Water contact advisory. Category 5. EPA approved pathogen and siltation TMDLs that address some of the known pollutants.
TN06020002 083 – 4000	OOSTANAULA CREEK	McMinn	8.5	Escherichia coli NA	Pasture Grazing	Category 4a. EPA approved a pathogen TMDL that addresses the known pollutant.
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.
<u>TN06020002 084 – 0100</u>	<u>BLUE SPRING BRANCH</u>	<u>McMinn</u>	<u>5.3</u>	<u>Alteration in stream-side or littoral vegetative cover</u> L <u>Loss of biological integrity due to siltation</u> - L	<u>Discharges from MS4 area</u>	<u>Category 5. TMDL needed.</u>
<u>TN06020002 084 – 0200</u>	<u>LATHAM SPRING BRANCH</u>	<u>McMinn</u>	<u>9.0</u>	<u>Escherichia coli</u> L	<u>Pasture Grazing</u>	<u>Category 5. TMDL needed.</u>
<u>TN06020002 084 - 0400</u>	<u>LITTLE NORTH MOUSE CREEK</u>	<u>McMinn</u>	<u>8.5</u>	<u>Total Phosphorus</u> L <u>Nitrate+Nitrite</u> L	<u>Municipal Point Source Pasture Grazing</u>	<u>Category 5. TMDL needed.</u>
TN06020002 084 - 0500	DRY VALLEY CREEK	McMinn	13.3	Escherichia coli <u>HM</u>	Pasture Grazing	Category 5. TMDL needed.
TN06020002 084 - 1000	NORTH MOUSE CREEK	McMinn	22.61	Total Phosphorus M Alteration in stream-side or littoral vegetative cover L <u>Loss of biological integrity due to siltation</u> L Escherichia coli NA	Municipal Point Source Pasture Grazing Discharges from MS4 area	Category 5. EPA approved a pathogen TMDL that addresses some of the known pollutants.

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Waterbody ID	Impacted Waterbody	County	Miles/Acres Impaired	CAUSE / TMDL Priority	Pollutant Source	COMMENTS
TN06020002 084 - 2000	NORTH MOUSE CREEK	McMinn	15.61	Total Phosphorus M Alteration in stream-side or littoral vegetative cover L Escherichia coli NA	Pasture Grazing	Category 5. EPA approved pathogen TMDL that addresses some of the known pollutants.
TN06020002 085 - 1000	SPRING CREEK	McMinn	<u>33.831.58</u>	Escherichia coli NA	Pasture Grazing	Category 4a. EPA approved a pathogen TMDL that

						addresses the known pollutant.
TN06020002 087 - 0200	BRUSH CREEK	McMinn	11.8	Escherichia coli L	Pasture Grazing	Category 5. TMDL needed.
TN06020002 087 - 0300	SHOAL CREEK	McMinn	5.6	Alteration in stream-side or littoral vegetative cover NA	Pasture Grazing	Category 4a. This segment is covered by the existing HUC-12 based siltation/habitat alterations TMDL approved by EPA on 1/31/2006.
TN06020002 087 - 0600	UNNAMED TRIB TO ROGERS CREEK	McMinn	1.1	Unionized Ammonia L	Landfill	Category 5. TMDL needed.
TN06020002 087 - 1000	ROGERS CREEK	McMinn	21.6	Alteration in stream-side or littoral vegetative cover NA Escherichia coli NA	Pasture Grazing	Category 4a. A pathogen and habitat alteration TMDLs addresses the known pollutants.
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. EPA approved a pathogen TMDL that addresses some of the known pollutants.

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

Waterbody ID	Impacted Waterbody	County	Miles/Acres Impaired	CAUSE / TMDL Priority	Pollutant Source	COMMENTS
TN03150101 012 - 0100	SUGAR CREEK	Bradley	12.2	Escherichia coli H	Pasture Grazing Septic Tanks	Category 5. TMDLs needed.
TN03150101 012 - 0200	MILL CREEK	Bradley Polk	20.1	Escherichia coli NA	Pasture Grazing	Category 4a. A pathogen TMDL addresses the known pollutants.
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 H	Pasture Grazing	Category 5. TMDL needed.
TN03150101 021 - 0120	MAROON BRANCH	Bradley	4.88	Nitrate+Nitrite Alteration in stream-side or littoral vegetative cover L Escherichia coli H	Pasture Grazing Animal Feeding Operation (NPS)	Category 5. TMDL needed.
TN03150101 021 - 0200	WEATHERLY BRANCH	Bradley	3.98	Escherichia coli H	Pasture Grazing	Category 5. TMDL needed.
TN03150101 021 - 0300	JERRY BRANCH	Bradley	7.1	Escherichia coli H	Pasture Grazing	Category 5. TMDL needed.

[Draft Version 2016 303\(d\) LIST \(Conasauga River Basin continued\)](#)

Waterbody ID	Impacted Waterbody	County	Miles/Acres Impaired	CAUSE TMDL Priority	Pollutant Source	COMMENTS
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. TMDL needed.
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. TMDL needed.
TN03150101 021 - 0600	WOLF BRANCH	Bradley	3.7	Loss of biological integrity due to siltation L Escherichia coli H	Pasture Grazing Off-road Vehicles	Category 5. TMDL needed.
TN03150101 021 - 0700	UNNAMED TRIB TO COAHULLA CREEK	Bradley	6.32	Escherichia coli H	Discharges from MS4 area	Category 5. 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 H	Pasture Grazing Septic Tanks	Category 5. TMDL needed.
TN03150101 021 - 0900	UNNAMED TRIB TO COAHULLA CREEK	Bradley	3.09	Escherichia coli H	Pasture Grazing	Category 5. TMDL needed.
TN03150101 021 - 1000	COAHULLA CREEK	Bradley	14.58	Escherichia coli H	Pasture Grazing Discharges from MS4 area	Category 5. TMDL needed.
TN03150101 021 - 1100	TATE BRANCH	Bradley	1.71	Escherichia coli H	Pasture Grazing	Category 5. TMDL needed.
TN03150101 021 - 2000	COAHULLA CREEK	Bradley	5.91	Alteration in stream-side or littoral vegetative cover L Escherichia coli H	Pasture Grazing Discharges from MS4 area	Category 5. TMDL needed.

Ocoee River

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

Waterbody ID	Impacted Waterbody	County	Miles/Acres Impaired	CAUSE / TMDL Priority	Pollutant Source	COMMENTS
TN06020003 001 - 0100	FOURMILE CREEK	Polk	4.8	Escherichia coli NA Nitrate+Nitrite M Total Phosphorus M Loss of biological integrity due to siltation L	Pasture Grazing Municipal Point Source Collection System Failure	Category 5. EPA approved a pathogen TMDL that addresses some of the known pollutants.
TN06020003 001 - 0200	CLOUD BRANCH	Polk	5.2	Escherichia coli M	Pasture Grazing	Category 5. TMDL needed.

[Draft Version 2016 303\(d\) LIST \(Ocoee River Basin continued\)](#)

Waterbody ID	Impacted Waterbody	County	Miles/Acres Impaired	CAUSE TMDL Priority	Pollutant Source	COMMENTS
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TN06020003 001 - 0300	COOKSON CREEK	Polk	17.25	Escherichia coli	M	Pasture Grazing Septic Tanks	Category 5. TMDL needed.
TN06020003 001 - 0310	HORNS CREEK	Polk	5.15	Escherichia coli	M	Pasture Grazing Septic Tanks	Category 5. TMDL needed.
TN06020003 001 - 0400	FRY BRANCH	Polk	3.8	Escherichia coli	M	Pasture Grazing	Category 5. 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 (impact not caused by a pollutant).
TN06020003 004 – 1000 & 2000	PARKSVILLE RESERVOIR.	Polk	1280 ac	Copper Iron Zinc Loss of biological integrity due to siltation	H H H L	Mill Tailings Mine Tailings Contaminated Sediments Impacts from Abandoned Mines	Parksville Reservoir fishery is improving, but sediment contamination exerts toxic effect. Category 5, impaired for one or more uses.
TN06020003 013 - 1000	OCOEE RIVER - Parksville Res. to Ocoee #2 Dam.	Polk	7.18	Copper Iron Zinc Flow Alteration	H H H NA	Mill Tailings Mine Tailings Contaminated Sediments Impacts from Abandoned Mines Upstream Impoundment	Use is impacted by metals and flow alteration for power generation. Category 5, but flow alteration is 4c (impact not caused by a pollutant).
TN06020003 013.5 – 1000	OCOEE NUMBER 2 Reservoir	Polk	494 ac	Copper Iron Zinc Loss of biological integrity due to siltation Flow Alteration	H H H L NA	Mill Tailings Mine Tailings Contaminated Sediments Impacts from Abandoned Mines Upstream Impoundment	Upstream power generation causes flow alteration. Stream is Category 5 overall (one or more uses impaired), but flow alteration is 4c (impact not caused by a pollutant).
TN06020003 013.55–1000	OCOEE RIVER- From Res. #2 to Dam #3.	Polk	3.9	Copper Iron Zinc Loss of biological integrity due to siltation Flow Alteration	H H H L NA	Mill Tailings Mine Tailings Contaminated Sediments Impacts from Abandoned Mines Upstream Impoundment	Upstream water diversion for power generation causes flow alteration. Category 5, but flow alteration is 4c (impact not caused by a pollutant). TVA provides flows for recreational uses per existing agreements.
TN06020003 013.7 – 1000	OCOEE NUMBER THREE RESERVOIR	Polk	480 ac	Copper Iron Zinc Siltation	H H H M	Mill Tailings Mine Tailings Contaminated Sediments Impacts from Abandoned Mines	This stream is Category 5. The stream is impaired for one or more uses.
TN06020003 013.7T- 0300	GRASSY CREEK	Polk	5.4	Loss of biological integrity due to siltation Escherichia coli	L M	Forestry Activities Pasture Grazing	Category 5. TMDL needed.

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Waterbody ID	Impacted Waterbody	County	Miles/Acres Impaired	CAUSE TMDL Priority	Pollutant Source	COMMENTS
TN06020003	NORTH POTATO	Polk	6.16	Physical Substrate Habitat	Abandoned Mining	Acid mine drainage from

014 - 0100	CREEK			Alterations Copper Iron Zinc pH Loss of biological integrity due to siltation	L H H H H L	Mine Tailings Channelization Contaminated Sediments	historical mining operations. Erosion from historic smelting operation. Category 5. The stream is impaired for one or more uses.
TN06020003 014 - 0110	BURRA BURRA CREEK	Polk	2.2	Copper Iron Zinc pH Loss of biological integrity due to siltation	H H H H L	Mill Tailings Mine Tailings Impacts from Abandoned Mines	Acid mine drainage from historical mining operations. Category 5. The stream is impaired for one or more uses.
TN06020003 014 - 0140	ELLIS BRANCH	Polk	2.8	Copper Zinc Iron	H H H	Mill Tailings Abandoned Mining	Historical mining operations. Category 5. The stream is impaired for one or more uses.
TN06020003 014 - 0210	BELLTOWN CREEK	Polk	5.1	Escherichia coli	M	Pasture Grazing Septic Tanks	Category 5. TMDL needed.
TN06020003 014 - 1000	OCOEE RIVER	Polk	2.5	Loss of biological integrity due to siltation	M	Mill Tailings Mine Tailings Impacts from Abandoned Mines	This stream is Category 5. The stream is impaired for one or more uses.

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

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	Stream is Category 5. (One or more uses impaired.)
TN06020004 001 - 0121	PRYOR COVE CREEK	Marion	13.12	Loss of biological integrity due to siltation L	Land Development	Stream is Category 5. (One or more uses impaired.)
TN06020004 001 - 0600	UNNAMED TRIB TO SEQUATCHIE RIVER	Marion	2.04	Nitrate+Nitrite Loss of biological integrity due to siltation L	Pasture Grazing	Category 5.
TN06020004 001 - 0910	UNNAMED TRIB TO SHELTON CREEK	Marion	6.3	Nitrate+Nitrite <u>ML</u> Escherichia coli NA	Pasture Grazing Land Application of Biosolids	Category 5. Approved pathogen TMDL addresses some pollutants. TMDL Vision Priority Watershed
TN06020004 001 - 1000	SEQUATCHIE RIVER	Marion	22.70	Mercury L	Atmospheric Deposition	Stream is Category 5. (One or more uses impaired.) EPA assistance requested for atmospheric mercury TMDLs.

Draft Version 2016 303(d) LIST (Sequatchie River Basin continued)

Waterbody ID	Impacted Waterbody	County	Miles/Acres Impaired	CAUSE TMDL Priority	Pollutant Source	COMMENTS
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. EPA approved pathogen TMDL addresses some pollutants.
TN06020004 001 – 1200	SHILOH BRANCH	Marion	2.3	Escherichia coli	NA	Pasture Grazing Category 4a. Approved pathogen TMDL addresses the known pollutant.
TN06020004 001 – 1300	PECK BRANCH	Marion	2.4	Escherichia coli	NA	Pasture Grazing Category 4a. Approved pathogen TMDL addresses the known pollutant.
TN06020004 001 – 2000	SEQUATCHIE RIVER	Marion Sequatchie	15.16	Escherichia coli	NA	Pasture Grazing Category 4a. 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.
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 Nitrate+Nitrite Total Phosphorus Escherichia coli	L M M NA	Pasture Grazing Category 5. EPA approved a pathogen TMDL that addresses some of the known pollutants.
TN06020004 007 – 1200	MANNING SPRING	Cumberland	1.4	Escherichia coli	NA	Pasture Grazing Category 4a. Approved pathogen TMDL addresses the known pollutant.

Waterbody ID	Impacted Waterbody	County	Miles/Acres Impaired	CAUSE TMDL Priority	Pollutant Source	COMMENTS
TN06020004 007 – 1400	UNNAMED TRIB TO SEQUATCHIE RIVER	Bledsoe	1.4	Escherichia coli NA	Pasture Grazing	Category 4a. Approved pathogen TMDL addresses the known pollutant.
TN06020004 007 – 1500	MILL BRANCH	Bledsoe	8.8	Escherichia coli NA	Pasture Grazing	Category 4a. Approved pathogen TMDL addresses the known pollutant.
TN06020004 007 – 2200	SKILLERN CREEK	Bledsoe	10.60	Escherichia coli NA	Pasture Grazing	Category 5. Approved pathogen TMDL addresses some known pollutants.
TN06020004 008 – 0200	MAISE CREEK	Bledsoe	4.7	Escherichia coli NA	Pasture Grazing	Category 4a. Approved pathogen TMDL addresses the known pollutant.
TN06020004 009 – 0500	GLADY FORK	Sequatchie	6.43	Manganese Other Anthropogenic Substrate Alterations H L	Surface Mining	Stream is Category 5. (One or more uses impaired.)
TN06020004 009 – 1000	BIG BRUSH CREEK	Sequatchie	9.3	Manganese Other Anthropogenic Substrate Alterations H L	Coal Mining Discharges	Stream is Category 5. (One or more uses impaired.)
TN06020004 009 – 2000	BIG BRUSH CREEK	Sequatchie Bledsoe	19.41	Manganese Other Anthropogenic Substrate Alterations H L	Coal Mining Discharges	Stream is Category 5. (One or more uses impaired.)
TN06020004 014 – 0100	DANIEL CREEK	Marion	2.2	Escherichia coli NA	Pasture Grazing	Category 4a. Approved pathogen TMDL addresses the known pollutant.

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 M	Pasture Grazing Septic Tanks	Stream is Category 5. (One or more uses impaired.)
TN06030001 057 – 0100	SWEETEN (SWEDEN) CREEK	Marion	28.94	Escherichia coli M	Pasture Grazing Septic Tanks	Stream is Category 5. (One or more uses impaired.)

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Waterbody ID	Impacted Waterbody	County	Miles/Acres Impaired	CAUSE TMDL Priority	Pollutant Source	COMMENTS
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. Approved

						pathogen TMDL addresses known pollutant.	
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.
TN06030001 057 - 0922	CLOUSE HILL BRANCH	Grundy	1.87	Alteration in stream-side or littoral vegetation Escherichia coli	L NA	Pasture Grazing Urbanized High Density Area Septic Tanks	Water contact advisory lifted in 2013. Category 5. EPA approved pathogen TMDL addresses some of the known pollutants.
TN06030001 057 - 0923	SLAUGHTER PEN HOLLOW BRANCH	Grundy	1.27	Loss of biological integrity due to siltation Escherichia coli	L NA	Septic Tanks Channelization	Water contact advisory lifted in 2013. Category 5. EPA approved TMDL addresses pathogens.
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. Category 4a. EPA approved pathogen TMDL addresses the known pollutant, but flow alteration is 4C.
TN06030001 065 - 0100	CLUCK COVE CREEK	Marion	4.32	Iron Flow Alteration Loss of biological integrity due to siltation	H NA L	Upstream Impoundment Land Development	Category 5 overall, but 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 overall, but 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.
TN06030001 067 - 0700	HOLLY FLAT COVE CREEK	Marion Franklin	7.9	Loss of biological integrity due to siltation	L	Land Development	Stream is Category 5. (One or more uses impaired.)

Wheeler Lake Watershed

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

Waterbody ID	Impacted Waterbody	County	Miles/Acres Impaired	CAUSE / TMDL Priority	Pollutant Source	COMMENTS	
TN06030002 1124 - 1000	HESTER CREEK	Lincoln	14.8	Loss of biological integrity due to siltation	L	Nonirrigated Crop Production	Stream is Category 5. (One or more uses impaired.)
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	This stream is Category 5. The stream is impaired for one or more uses.
TN06030002 1149 - 0200	HARBIN BRANCH	Lincoln	12.3	Alteration in stream-side or littoral vegetative cover		Pasture Grazing	This stream is Category 5. The stream is impaired for one or more uses.

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	This stream is Category 5. The stream is impaired for one or more uses.
TN06030002 1149 - 0600	BIG HUCKLEBERRY CREEK	Lincoln	12.2	Alteration in stream-side or littoral vegetative cover Loss of biological integrity due to siltation	L L	Nonirrigated Crop Production	This stream is Category 5. The stream is impaired for one or more uses.
TN06030002 1149 - 0610	LITTLE HUCKLEBERRY CREEK	Lincoln	7.5	Alteration in stream-side or littoral vegetative cover	L	Nonirrigated Crop Production	This stream is Category 5. The stream is impaired for one or more uses.
TN06030002 1149 - 1000	FLINT RIVER	Lincoln	22.0	Loss of biological integrity due to siltation Physical Substrate Habitat Alterations	L L	Nonirrigated Crop Production	This stream is Category 5. The stream is impaired for one or more uses.
TN06030002 1216 - 0200	WALKER CREEK	Lincoln	12.67	Alteration in stream-side or littoral vegetative cover Loss of biological integrity due to siltation	L L	Nonirrigated Crop Production Land Development	This stream is Category 5. The stream is impaired for one or more uses.
TN06030002 1216 - 0210	WASHBURN BRANCH	Lincoln	14.56	Alteration in stream-side or littoral vegetative cover Loss of biological integrity due to siltation Low Dissolved Oxygen	L L L	Nonirrigated Crop Production Upstream Impoundment	This stream is Category 5. The stream is impaired for one or more uses.
TN06030002 1216 - 0211	HARPER CREEK	Lincoln	3.07	Alteration in stream-side or littoral vegetative cover Loss of biological integrity due to siltation	L L	Pasture Grazing	This stream is Category 5. The stream is impaired for one or more uses.
TN06030002 1216 - 0221	UNNAMED TRIB TO HANCOCK BRANCH	Lincoln	1.42	Flow Alterations	NA	Upstream Impoundment	Category 4c for flow alteration.

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

Waterbody ID	Impacted Waterbody	County	Miles/Acres Impaired	CAUSE (Pollutant)		Pollutant Source	COMMENTS
TN06030003 001 – 0100	REEVES BRANCH	Giles	4.1	Nitrate+Nitrite Alteration in stream-side or littoral vegetative cover	L L	Pasture Grazing	Stream is Category 5. (One or more uses impaired.)
TN06030003 010 – 1000	ELK RIVER	Lincoln	13.91	Escherichia coli	HNA	Pasture Grazing	Stream is Category 5. (One or more uses impaired.) Category 4a. Impaired, but EPA approved a pathogen TMDL that addresses the known pollutant.
TN06030003 012 – 0400	ROBINSON CREEK	Franklin Lincoln	11.46	Nitrate+Nitrite Loss of biological integrity	M	Pasture Grazing Nonirrigated Crop Production	Category 5. EPA approved a siltation TMDL which

				due to siltation	NA		addresses some of the known pollutants.
TN06030003 012 – 1000	BEANS CREEK	Franklin Lincoln	10.7	Loss of biological integrity due to siltation	NA	Nonirrigated Crop Production Sand/Gravel/Rock Quarries	Category 4a. This segment is covered by the existing HUC-12 based siltation/habitat alterations TMDL approved by EPA on 10/22/2004.
TN06030003 015 – 1000	ELK RIVER	Franklin Moore	15.4	Temperature Alterations Flow Alteration	L NA	Upstream Impoundment	Habitat for the federally listed shiny pigtoe and slabside pearly mussel. Category 5, but flow alteration is 4c (impact not caused by a pollutant).
TN06030003 026 – 1000	DRY CREEK	Franklin	21.1	Loss of biological integrity due to siltation	NA	Nonirrigated Crop Production	Category 4a. EPA approved siltation TMDL addresses the known pollutant.
TN06030003 030 – 1000	BOILING FORK CREEK	Franklin	32.4	Escherichia coli	NA	Pasture Grazing	Category 5. Impaired. Category 4a. Impaired, but EPA approved a pathogen TMDL that addresses the known pollutant.
TN06030003 032 – 1000	WAGNER CREEK	Franklin	18.8	Alteration in stream-side or littoral vegetative cover Nitrate+Nitrite Physical Substrate Habitat Alterations Escherichia coli	NA M NA NA	Pasture Grazing Urbanized High Density Area Municipal Point Source Channelization	Category 5. EPA approved a habitat alteration and pathogen TMDLs which addresses some of the known pollutants.
TN06030003 035 – 1000	ELK RIVER	Franklin	6.2	Flow Alteration Low Dissolved Oxygen	NA L	Upstream Impoundment	Category 5, but flow alteration is 4c (impact not caused by a pollutant).
TN06030003 036 – 1000	WOODS RESERVOIR	Franklin Coffee	3908 ac	PCBs	NA	Contaminated Sediments	Fishing advisory due to PCBs. Historical PCB releases from AEDC. Impaired, but a PCB TMDL addresses the known pollutant.
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 HNA	Pasture Grazing	Category 5 4a . Impaired, but EPA has approved a siltation/habitat alteration and pathogen TMDLs which addresses some of the known pollutants.
TN06030003 044 – 0100	BETSY WILLIS CREEK	Coffee Grundy	22.5	Alteration in stream-side or littoral vegetative cover Loss of biological integrity due to siltation Physical Substrate Habitat Alterations Escherichia coli	NA NA NA HNA	Animal Feeding Operation Pasture Grazing Nonirrigated Crop Production	Category 5 4a . The stream is impaired, but EPA has approved a siltation/habitat alteration and pathogen TMDLs which addresses some of the known pollutants.

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Waterbody ID	Impacted Waterbody	County	Miles/Acres Impaired	CAUSE / TMDL Priority	Pollutant Source	COMMENTS
TN06030003 044—0200	PATTON CREEK	Grundy	4.2	Alteration in stream-side —or littoral vegetative cover—NA Loss of biological integrity —due to siltation—NA	Nonirrigated Crop Production	Category 4a. Impaired, but EPA has approved a siltation/habitat alteration TMDL which addresses the known pollutants.
TN06030003 044—0600	DRY CREEK	Grundy	13.8	Physical Substrate Habitat —Alterations—L	Channelization	Category 4a. EPA approved a habitat alteration TMDL which addresses the known pollutant.
TN06030003 044 – 0700	CALDWELL CREEK	Grundy	14.1	Alteration in stream-side —or littoral vegetative cover—NA Escherichia coli HNA	Nonirrigated Crop Production Pasture Grazing Municipal Point Source	Stream is Category 5. (One or more uses impaired.) Category 4a. Impaired, but EPA approved a pathogen TMDL that addresses one known pollutant.
TN06030003 044 – 07120	GILLIAM CREEK	Grundy	0.76	Unionized Ammonia—M Nitrate+Nitrite M Total Phosphorus M Sludge Deposits—L Escherichia coli HNA	Municipal Point Source Collection System Failure Pasture Grazing	Monteagle STP. Stream is Category 5. (One or more uses impaired.) Impaired, but EPA approved a pathogen TMDL that addresses one known pollutant. Additional TMDLs needed.
TN06030003 044 – 07124	JUANITA CREEK (Unnamed Trib to Gilliam Creek)	Grundy	2.12	Unionized Ammonia—M Nitrate+Nitrite M Total Phosphorus M Sludge Deposits—L Escherichia coli HNA	Municipal Point Source Collection System Failure Urbanized High Density Area	Monteagle STP. Stream is Category 5. (One or more uses impaired.) Impaired, but EPA approved a pathogen TMDL that addresses one known pollutant. Additional TMDLs needed.
TN06030003 044 – 07300713	TRUSSEL CREEK	Grundy	4.3	Unionized Ammonia M Nitrate+Nitrite M Total Phosphorus M Iron L Manganese L Low Dissolved Oxygen L Sludge Deposits—L Whole Effluent Toxicity L Escherichia coli HNA	Municipal Point Source Discharge Upstream Impoundment	Monteagle STP. Stream is Category 5. (One or more uses impaired.) Impaired, but EPA approved a pathogen TMDL that addresses one known pollutant. Additional TMDLs needed.
TN06030003 044 – 1000	ELK RIVER	Franklin Grundy	17.9	Escherichia coli HNA	Pasture Grazing	Stream is Category 54a. (One or more uses impaired.) Impaired, but EPA approved a pathogen TMDL that addresses one known

						pollutant.
TN06030003 053 – 0100	BLUE CREEK	Franklin Coffee	10.9	Alteration in stream-side or littoral vegetative cover L Biological integrity loss due to undetermined cause L Escherichia coli HM	Undetermined Source Pasture Grazing	Stream is Category 5. (One or more uses impaired.) TMDLs needed.
TN06030003 053 – 2000	ROCK CREEK	Franklin Coffee	16.1	Low Dissolved Oxygen L Nitrate+Nitrite M Total Phosphorus M Flow Alteration NA Temperature Alterations L Loss of biological integrity due to siltation NA	Municipal Point Source Discharges from MS4 area Land Development	Area impacts include Tullahoma STP. Category 5, but flow alteration is 4c (impact not caused by a pollutant). EPA approved a siltation TMDL which addresses some of the known pollutants. Additional TMDLs needed.

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Waterbody ID	Impacted Waterbody	County	Miles/Acres Impaired	CAUSE / TMDL Priority	Pollutant Source	COMMENTS
TN06030003 056 – 0100	WEST FORK MULBERRY CREEK	Lincoln Moore	55.9	Escherichia coli HNA	Pasture Grazing Animal Feeding Operations	Stream is Category 54a. (One or more uses impaired.) Impaired, but EPA approved a pathogen TMDL that addresses one known pollutant.
TN06030003 056 – 0200	EAST FORK MULBERRY CREEK	Lincoln	14.0	Escherichia coli HM	Pasture Grazing Animal Feeding Operations	Category 5. TMDL needed.
TN06030003 056 – 0250	EAST FORK MULBERRY CREEK	Moore	16.8	Escherichia coli HNA	Pasture Grazing	Category 54a. TMDL needed. Impaired, but EPA approved a pathogen TMDL that addresses one known pollutant.
TN06030003 060 – 1000	CANE CREEK	Lincoln Marshall	44.5	Escherichia coli NA	Pasture Grazing	Category Aa. EPA approved a pathogen TMDL which addresses the known pollutant.
TN06030003 063 – 1000	SWAN CREEK	Lincoln	5.6	Nitrate+Nitrite M Total Phosphorus M Alteration in stream-side or littoral vegetative cover L Escherichia coli - LNA	Pasture Grazing Specialty Crop Production	Fish kills from animal feeding operation. Category 5. Impaired, but EPA approved a pathogen TMDL that addresses someone known pollutant. Additional TMDLs needed.
TN06030003 063 – 2000	SWAN CREEK	Lincoln Marshall	9.9	Nitrate+Nitrite M Total Phosphorus M Low Dissolved Oxygen L	Animal Feeding Operation (NPS)	Fish kills from animal feeding operation. Category 5. EPA approved a pathogen TMDL

				Escherichia coli NA		that addresses some of the known pollutants. Additional TMDLs needed.
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. Additional 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.
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.
TN06030003 567 – 1000	HESSEY BRANCH	Franklin	9.6	Nutrients M 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. EPA approved siltation/habitat alteration TMDL which addresses some of the known pollutants. Additional TMDLs needed.
TN06030004 013 – 1000	ELK RIVER	Giles	7.4	Escherichia coli HNA	Pasture Grazing	Habitat for two federally listed fish species: the snail darter (<i>Percina tanasi</i>) and the boulder darter (<i>Etheostoma wapiti</i>). Category 54a . Impaired, but EPA approved a pathogen TMDL that addresses one known pollutant.
TN06030004 017 – 0300	EVERLY BRANCH	Giles	2.41	Loss of biological integrity due to siltation NA	Sand/Gravel/Rock Mining	Category 4a. EPA approved a siltation TMDL which addresses the known pollutant. This segment is covered by the existing HUC-12 based siltation/habitat alterations TMDL approved by EPA on 10/22/2004.
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 TMDL which addresses the known pollutant. This segment is covered by the existing HUC-12 based siltation/habitat alterations TMDL approved by EPA on 10/22/2004.

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

Waterbody ID	Impacted Waterbody	County	Miles/Acres Impaired	CAUSE / TMDL Priority	Pollutant Source	COMMENTS
TN06030004 017 – 0700	UNNAMED TRIB TO RICHLAND CREEK	Giles	1.28	Alteration in stream-side or littoral vegetative cover NA Physical Substrate NA Habitat Alterations NA Loss of biological integrity due to siltation NA	Urbanized High Density Area Channelization	Category 4a. <u>Impaired, but EPA has approved a siltation/habitat alteration TMDL which addresses the known pollutant. This segment is covered by the existing HUC-12 based siltation/habitat alterations TMDL approved by EPA on 10/22/2004.</u>
TN06030004 017 – 0800	PLEASANT RUN CREEK	Giles	1.7	Nitrate+Nitrite <u>ML</u> Total Phosphorus <u>ML</u> Alteration in stream-side or littoral vegetative cover NA Loss of biological integrity due to siltation NA Escherichia coli <u>HNA</u>	Urbanized High Density Area Collection System Failure	<u>TMDL Vision Priority Watershed Category 5. Impaired, but EPA approved a pathogen TMDL that addresses one known pollutant. EPA approved siltation/habitat alteration TMDL which addresses some of the known pollutants. This segment is also covered by the existing HUC-12 based siltation/habitat alterations TMDL approved by EPA on 10/22/2004. Additional TMDLs needed.</u>
TN06030004 017 – 2000	RICHLAND CREEK	Giles	26.7	Loss of biological integrity — due to siltation — NA Escherichia coli — NA	Collection System Failure Land Development Urbanized High Density Area Pasture Grazing	Pulaski area impacts. Category 4a. EPA approved pathogen and habitat alteration TMDLs that address the known pollutants.
TN06030004 023 – 1000	ROBERTSON FORK CREEK	Giles Marshall	16.64	Escherichia coli <u>HNA</u>	Pasture Grazing	Category <u>54a</u> . <u>The stream is impaired for one or more uses. Impaired, but EPA approved a pathogen TMDL that addresses one known pollutant.</u>
TN06030004 026_0111	UNNAMED TRIB TO ANDERSON CREEK	Giles Lawrence	1.19	Loss of biological integrity — due to siltation — L	Off-road Vehicles	Category 5. The stream is impaired for one or more uses.
TN06030004 026_0112	FANNY BRANCH	Giles Lawrence	2.18	Loss of biological integrity due to siltation L	Off-road Vehicles Silviculture	Category 5. The stream is impaired for one or more uses. <u>TMDL needed.</u>

TN06030004 026_0115	ANDERSON CREEK	Giles	0.54	Loss of biological integrity —due to siltation— L	Off-road Vehicles	Category 5. The stream is impaired for one or more uses.
TN06030004 029_0410	UNNAMED TRIB TO WET WEAKLEY CREEK	Lawrence Giles	0.75	Nitrate+Nitrite L Unionized Ammonia M Loss of biological integrity —due to siltation— L Escherichia coli HNA	Animal Feeding Operations Silviculture	Category 5. The stream is impaired for one or more uses. <u>Impaired, but EPA approved a pathogen TMDL that addresses one known pollutant.</u> —Additional TMDL needed.

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

Waterbody ID	Impacted Waterbody	County	Miles/Acres Impaired	CAUSE / TMDL Priority	Pollutant Source	COMMENTS
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 Nutrients M Escherichia coli NA	Pasture Grazing Unrestricted Cattle Access	Category 5. EPA approved pathogen and habitat alteration TMDLs that address some of the known pollutants. Additional TMDL needed.
TN06030004 043 – 0400	TOWN CREEK	Marshall	12.5	Nitrate+Nitrite M Total Phosphorus M Escherichia coli NA	Pasture Grazing Municipal Point Source —Discharges	Town Creek impacts include Cornersville STP. Category 5. EPA approved a pathogen TMDL that addresses some of the known pollutants.
TN06030004 043 – 0600	COFFEY BRANCH	Marshall	3.4	Alteration in stream-side or littoral vegetative cover NA Escherichia coli NA	Pasture Grazing	Category 4Aa. EPA approved a pathogen TMDL that addresses the known pollutant. <u>This segment is covered by the existing HUC-12 based siltation/habitat alterations TMDL approved by EPA on 10/22/2004.</u>
TN06030004 043 – 1000	RICHLAND CREEK	Giles Marshall	42.0	Loss of biological integrity due to siltation L Escherichia coli NA	Pasture Grazing	Category 4Aa. EPA approved a pathogen TMDL that addresses the known pollutant. <u>Additional TMDL needed.</u>
TN06030004 044 – 1000	PIGEON ROOST CREEK	Giles	28.9	Loss of biological integrity due to siltation L	Pasture Grazing	Category 5. <u>One or more uses impaired. Additional TMDL needed.</u>

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

Waterbody ID	Impacted Waterbody	County	Miles/Acres Impaired	CAUSE / TMDL Priority	Pollutant Source	COMMENTS
TN06030005 078 – 0410	UNNAMED TRIB TO WOLF CREEK	Lawrence	0.13	Flow Alterations NA	Upstream Impoundment	Category 4c. Impact 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. The stream is impaired for one or more uses.

Upper Kentucky Reservoir

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

Waterbody ID	Impacted Waterbody	County	Miles/Acres Impaired	CAUSE /TMDL Priority	Pollutant Source	COMMENTS
TN06040001 041 - 0200	EAST PRONG DOE CREEK	Decatur Henderson	18.1	Escherichia coli HM	Pasture Grazing	Stream is Category 5. (One or more uses impaired.) TMDL needed.
TN06040001 043 - 0100	CHALK CREEK	Hardin	14.0	Loss of biological integrity due to siltation L Physical Substrate Habitat Alterations L	Pasture Grazing Channelization	Stream is Category 5. (One or more uses impaired.) TMDLs needed.
TN06040001 043 - 0200	MUD CREEK	Hardin	13.4	Loss of biological integrity due to siltation L Low dissolved oxygen L Physical Substrate Habitat Alterations L	Pasture Grazing Channelization	Stream is Category 5. (One or more uses impaired.) TMDLs needed.
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. TMDLs needed.
TN06040001 043 - 0700	HURRICANE CREEK	Hardin Henderson	30.7	Alteration in stream-side or littoral vegetative cover L Total Phosphorus M Physical Substrate Habitat Alterations L	Nonirrigated Crop Production Channelization	Stream is 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	Stream is Category 5. (One or more uses impaired.) TMDLs needed.
TN06040001 054 – 04000200	OWL CREEK	McNairy Hardin	42.1	Alteration in stream-side or littoral vegetative cover L Physical Substrate Habitat Alterations L Escherichia coli HM	Pasture Grazing Channelization	Stream is Category 5. (One or more uses impaired.) TMDLs needed.
TN06040001	SNAKE CREEK	McNairy	9.3	Loss of biological integrity	Irrigated Crop Production	Stream is Category 5. (One or

054 – 1000		Hardin		due to siltation Escherichia coli HM L	Unknown Source	more uses impaired.) <u>TMDLs needed.</u>
TN06040001 060 - 2000	CHAMBERS CREEK	McNairy	4.0	Loss of biological integrity due to siltation L Low dissolved oxygen H	Pasture Grazing	Stream is Category 5. (One or more uses impaired.) <u>TMDL needed.</u>
<u>TN06040001</u> <u>064_0220</u>	<u>Steele Creek</u>	<u>Hardin</u>	<u>10.64</u>	<u>Alteration in stream-side or littoral vegetative cover</u> L	<u>Pasture Grazing</u>	<u>Category 5. TMDLs needed.</u>
<u>TN06040001</u> <u>064_0221</u>	<u>Spencer Creek</u>	<u>Hardin County</u>	<u>1.23</u>	<u>Loss of biological integrity due to siltation</u> L	<u>Land Development</u>	<u>Category 5. TMDL needed.</u>
TN06040001 064 – 0400	KERR BRANCH	Hardin	1.7	Nitrate +Nitrite Escherichia coli HM M	Pasture Grazing Onsite Wastewater System (Septic Tanks)	Category 5. <u>TMDLs needed.</u>
<u>TN06040001</u> <u>064_1400</u>	<u>Holland Creek</u>	<u>Hardin</u>	<u>25.4</u>	<u>Alteration in stream-side or littoral vegetative cover</u> L	<u>Pasture Grazing</u>	<u>Category 5. TMDL needed.</u>
TN06040001 064 – 2000	HORSE CREEK	Hardin	25.8	Alteration in stream-side or littoral vegetative cover L	Pasture Grazing	Category 5.
TN06040001 149 – 1000	MUD CREEK	Hardin	37.9	Alteration in stream-side or littoral vegetative cover L	Nonirrigated Crop Production	Category 5. <u>TMDL needed.</u>
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. <u>TMDLs needed.</u>

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Waterbody ID	Impacted Waterbody	County	Miles/Acres Impaired	CAUSE / TMDL Priority	Pollutant Source	COMMENTS
TN06040001 651 – 1000	GOODIN BRANCH	Decatur	2.87	Habitat loss due to stream Flow alteration NA	Upstream Impoundment	Category 4c. Impacts are 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. <u>TMDLs needed.</u>
TN06040001 802 – 0300	FLAT CREEK	Decatur Henderson	22.77	Physical Substrate Habitat Alteration L	Channelization	Category 5. <u>TMDL needed.</u>
<u>TN06040001</u> <u>802_0400</u>	<u>Cane Creek</u>	<u>Henderson</u>	<u>26.59</u>	<u>Alteration in stream-side or littoral vegetative cover</u> L <u>Physical Substrate Habitat</u> <u>Alteration</u> L	<u>Nonirrigated Crop Production</u> <u>Channelization</u>	<u>Category 5. TMDLs needed.</u>
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. <u>TMDLs needed.</u>
TN06040001	BROWN'S CREEK	Henderson	5.2	Iron L	Upstream Impoundment	Poor quality discharges from

802 – 1600				Temperature Alterations	L		Browns Reservoir. Category 5., but flow alteration is 4c (impact not caused by a pollutant).
TN06040001 802 – 1650	BROWN'S CREEK	Henderson	0.3	Iron Temperature Alterations Habitat loss due to stream Flow alteration	L L NA	Upstream Impoundment	Poor quality discharges from Browns Reservoir. Category 5, but flow alteration is 4c (impact not caused by a pollutant).
TN06040001 809 – 1000	RUSHING CREEK	Decatur	45.3	Escherichia coli	H	Pasture Grazing	Category 5
TN06040001 1163 – 0110	UNNAMED TRIB TO LITTLE BEECH CR.	Wayne	5.6	Loss of biological integrity due to siltation Alteration in stream-side or littoral vegetative cover	L L	Unrestricted Cattle Access	Stream is Category 5. (One or more uses impaired.) TMDLs needed.
TN06040001 1163 – 1000 & 2000	BEECH CREEK	Wayne	9.0	Mercury	L	Contaminated Sediment	Mercury discovered in creek sediment near Leatherwood from bridges. Category 5. (One or more uses impaired.) TMDL needed.
TN06040001 1163 – 3000	BEECH CREEK	Wayne	6.2	Mercury PCBs	L L	Contaminated Sediment CERCLA site	Stream is Category 5. (One or more uses impaired.) TMDLs needed.
TN06040001 BEECHLK – 1000	BEECH LAKE	Henderson	877 ac	Mercury	L	Atmospheric Deposition	Stream is Category 5. EPA should assist with TMDLs for atmospheric mercury deposition.

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	H	Pasture Grazing	Stream is Category 5. One or more uses are impaired.
TN06040002 002 – 0310	EAST FORK OF GLOBE CREEK	Marshall	7.25	Nitrate+Nitrite Chloride Total Phosphorus Escherichia coli	L L L M	Landfill Pasture Grazing	Category 5. TMDLs needed.
TN06040002 002 – 0311	VICKREY CREEK	Marshall	1.53	Unionized Ammonia Chloride Nitrate+Nitrite	L L L	Landfill	Category 5. TMDLs needed.
TN06040002 002 – 0315	EAST FORK OF GLOBE CREEK	Marshall	1.93	Unionized Ammonia Nitrate+Nitrite Chloride	L L L	Landfill	Category 5. TMDLs needed.
TN06040002 002 – 0700	HURRICANE CREEK	Maury	12.7	Loss of biological integrity due to siltation	L	Pasture Grazing	Stream is Category 5. One or more uses are impaired.

TN06040002 002 – 3000	FOUNTAIN CREEK	Maury	7.9	Escherichia coli	NA	Unrestricted Cattle Access	Category 4a. EPA approved a pathogen TMDL that addresses the known pollutant.
TN06040002 008 – 1000	CEDAR CREEK	Maury Marshall	7.62	Alteration in stream-side or littoral vegetative cover Nitrate+Nitrite Escherichia coli	L M H	Pasture Grazing	Stream is Category 5. One or more uses are impaired.
TN06040002 010 – 0100	RICH CREEK	Marshall Bedford	10.81	Nitrate+Nitrite Escherichia coli	M H	Pasture Grazing Nonirrigated Crop Production	Stream is Category 5. One or more uses are impaired.
TN06040002 012 - 0100	EAST ROCK CREEK	Marshall	14.17	Nitrate+Nitrite Loss of biological integrity due to siltation Physical Substrate Habitat Alterations Escherichia coli	M NA NA H	Pasture Grazing	Category 5. EPA approved a siltation/habitat alteration TMDL that addresses some of the known pollutants.
TN06040002 012 - 0500	SANDERS CREEK	Marshall	4.5	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 that addresses some of the known pollutants.
TN06040002 012 - 0700	SNELL BRANCH	Marshall	4.5	Loss of biological integrity due to siltation Alteration in stream-side or littoral vegetative cover	NA NA	Discharges from MS4 area Channelization	Category 4a. EPA approved a siltation/habitat alteration TMDL that addresses the known pollutants.

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Waterbody ID	Impacted Waterbody	County	Miles/Acres Impaired	CAUSE / TMDL Priority	Pollutant Source	COMMENTS
TN06040002 012 - 2000	BIG ROCK CREEK	Marshall	9.0	Nitrate+Nitrite Total Phosphorus Loss of biological integrity due to siltation Low dissolved oxygen	ML ML NA L	Municipal Point Source Discharges from MS4 area TMDL Vision Priority Watershed
TN06040002 012 - 3000	BIG ROCK CREEK	Marshall	6.0	Loss of biological integrity due to siltation Physical Substrate Habitat Alterations Low Dissolved Oxygen Escherichia coli	NA NA L H	Category 5. EPA approved a habitat/siltation TMDL that addresses some of the known pollutants.
TN06040002 020 - 1000	DUCK RIVER	Bedford	29.8	Escherichia coli	H	Discharges from MS4 area Shelbyville area pathogen sources. Stream is Category 5. (One or more uses impaired.)
TN06040002 021 - 0100	LITTLE SINKING CREEK	Bedford	7.6	Loss of biological integrity due to siltation	NA	Category 4a. EPA approved siltation and pathogen TMDLs

				Alteration in stream-side or littoral vegetative cover	NA		that address the known pollutants.
TN06040002 021 - 1000	SINKING CREEK	Bedford	12.0	Loss of biological integrity due to siltation	NA	Pasture Grazing	Category 4a. EPA approved pathogen and siltation TMDLs that address the known pollutants.
TN06040002 024 - 0100	DAVIS BRANCH	Bedford	2.2	Alteration in stream-side or littoral vegetative cover	NA	Pasture Grazing	Category 4a. EPA approved a siltation TMDL that addresses the known pollutant.
TN06040002 024 - 1000	SUGAR CREEK	Bedford	21.7	Nitrate+Nitrite Total Phosphorus Alteration in stream-side or littoral vegetative cover Escherichia coli	M M NA H	Pasture Grazing	Category 5. EPA approved a siltation/habitat alteration TMDL that addresses some of the known pollutants.
TN06040002 027 - 0200	BOMAR CREEK	Bedford	4.1	Nutrients Low dissolved oxygen	M L	Discharges from MS4 Area	Shelbyville area impacts. Category 5. (One or more uses impaired.)
TN06040002 027 - 1000	DUCK RIVER	Bedford	1.6	Escherichia coli Loss of biological integrity due to siltation	NA NA	Collection System Failure Discharges from MS4 area	Shelbyville area impacts. Category 4a. EPA approved siltation and pathogen TMDLs that addresses the known pollutants.
TN06040002 030 - 0200	DODDY CREEK	Bedford	2.2	Habitat loss due to flow alteration	NA	Upstream Impoundment	Category 4c. Impacts are not caused by a pollutant.
TN06040002 030 - 1000	DUCK RIVER	Bedford	12.1	Temperature Alterations Flow Alteration Manganese	L NA L	Upstream Impoundment	Category 5, flow alteration is 4c (impact not due to pollutant).

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Waterbody ID	Impacted Waterbody	County	Miles/Acres Impaired	CAUSE / TMDL Priority	Pollutant Source	COMMENTS	
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 NA	Dairies Pasture Grazing	Category 5. EPA approved DO, nutrient, and pathogen TMDLs for this stream that address some of the known pollutants.
TN06040002 032 - 0310	MUDDY BRANCH	Coffee	5.1	Alteration of stream-side or littoral vegetation Total Phosphorus Low dissolved oxygen Escherichia coli	L NA NA NA	Dairies Pasture Grazing	Category 5. EPA approved DO, nutrient, and pathogen TMDLs for this stream that address some of the known pollutants.
TN06040002 032 - 2000	DUCK RIVER	Coffee	1.25	Escherichia coli	NA	Collection System Failure	Water contact advisory due to elevated bacteria levels from Manchester area sewer overflows and urban runoff. Category 4a. EPA approved a

							pathogen TMDL that addresses the known pollutant.
TN06040002 033 - 0300	BELL BUCKLE CREEK	Bedford	11.1	Low Dissolved Oxygen Loss of biological integrity due to siltation Physical Substrate Habitat Alterations Escherichia coli	L NA NA NA	Municipal Point Source Unrestricted Cattle Access	Bell Buckle area impacts, incl. Bell Buckle STP. Category 5. EPA approved siltation/habitat alteration and pathogen TMDLs that address some of the known pollutants.
TN06040002 033 - 0600	MUSE CREEK	Bedford	3.0	Loss of biological integrity due to siltation Alterations in stream-side or littoral vegetative cover	NA NA	Unrestricted Cattle Access	Category 4a. EPA approved a siltation/habitat alteration TMDL that addresses some of the known pollutants.
TN06040002 033 - 1000	WARTRACE CREEK	Bedford	15.0	Escherichia coli	H	Pasture Grazing	Category 5. TMDLs needed.
TN06040002 038 - 0300	HURRICANE CREEK	Bedford	22.03	Escherichia coli Loss of biological integrity due to siltation Physical Substrate Habitat Alterations	NA NA NA	Pasture Grazing	Category 4a. EPA approved siltation/habitat alteration and pathogen TMDLs that address the known pollutants.
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.
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.

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

Waterbody ID	Impacted Waterbody	County	Miles/Acres Impaired	CAUSE / TMDL Priority	Pollutant Source	COMMENTS
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.
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.
TN06040002 039 - 1000	NORTH FORK CREEK	Bedford	3.7	Escherichia coli	H	Pasture Grazing Category 5. TMDLs needed.
TN06040002 039 - 2000	NORTH FORK CREEK	Bedford	4.0	Escherichia coli Nutrients	H NA	Pasture Grazing Category 5. EPA approved a nutrient TMDL that addresses some of the known pollutants.
TN06040002 039 - 3000	NORTH FORK CREEK	Bedford	9.2	Loss of biological integrity due to siltation Nutrients	NA NA	Pasture Grazing Category 4a. EPA approved siltation, pathogen, and nutrient TMDLs that address

				Escherichia coli	NA		the known pollutants.
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 habitat alteration, nutrient, and pathogen TMDLs that address the known pollutants.
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	Stream is Category 5. One or more uses are impaired.
TN06040002 047 - 0200	EAST FORK SPRING CREEK	Marshall Rutherford	3.1	Alterations in stream-side or littoral vegetative cover	L	Pasture Grazing	Stream is Category 5. One or more uses are impaired.
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.
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.
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.
TN06040002 502 - 0220	SHANKLIN BRANCH	Coffee	4.87	Alteration to stream-side or littoral vegetative cover Loss of biological integrity due to siltation	L L	Pasture Grazing	Stream is Category 5. One or more uses are impaired.

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Waterbody ID	Impacted Waterbody	County	Miles/Acres Impaired	CAUSE / TMDL Priority	Pollutant Source	COMMENTS
TN06040002 502 - 1000	LITTLE DUCK RIVER	Coffee	2.17	Escherichia coli	NA	Collection System Failure Water contact advisory due to Manchester area collection system problems. Category 4a. EPA approved a pathogen TMDL that addresses the known pollutant.
TN06040002 502 - 2000	LITTLE DUCK RIVER	Coffee	10.6	Unknown Toxicity Escherichia coli	L NA	Collection System Failure Urbanized High Density Area Water contact advisory due to Manchester area collection system problems. Category 5. EPA approved a pathogen TMDL that addresses the known pollutant.
TN06040003 001 - 2000	DUCK RIVER	Humphreys	16.46	Mercury Total Phosphorus	L L	Atmospheric Deposition Pasture Grazing Municipal Point Source Elevated mercury levels in gamefish. Category 5 . EPA should take the lead on atmospheric mercury deposition TMDLs.

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. TMDLs needed.
TN06040003 005 – 1000	DUCK RIVER	Humphreys Hickman	4.05	Mercury L	Atmospheric Deposition	Elevated mercury levels in gamefish. Category 5. EPA should take the lead on atmospheric mercury deposition TMDLs.
TN06040003 019 - 0200	PATTERSON CREEK	Maury	5.8	Alteration to stream-side or littoral vegetative cover L Loss of biological integrity due to siltation L	Pasture Grazing	Stream is Category 5. One or more uses are impaired. TMDL 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. TMDLs needed.
TN06040003 019 – 0600 0700	CREEK BRANCH	Maury	9.4	Escherichia coli HM	Pasture Grazing	Category 5. EPA approved a pathogen TMDL that addresses some of the known pollutants.
TN06040003 019 – 2000	BIG BIGBY CREEK	Maury	4.6	Nitrate+Nitrite M Total Phosphorus M Escherichia coli NA	Municipal Point Source Pasture Grazing	Category 5a. EPA approved a pathogen TMDL that addresses some of the known pollutants.
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. TMDLs needed.

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Waterbody ID	Impacted Waterbody	County	Miles/Acres Impaired	CAUSE / TMDL Priority	Pollutant Source	COMMENTS
TN06040003 023 – 0100	QUALITY CREEK	Maury	7.1	Nitrate+Nitrite M Total Phosphorus M Unionized Ammonia M Loss of biological integrity due to siltation NA Physical Substrate Habitat Alterations NA Chlorides L	Industrial Point Source Pasture Grazing Permitted Industrial Stormwater Discharge	Category 5. EPA approved a siltation/habitat alteration TMDL that addresses some of the known pollutants. Additional TMDLs needed.
TN06040003 023 - 0200	SUGAR CREEK	Maury	2.6	Nitrate+Nitrite M Total Phosphorus M	Surface Mining (phosphorus) Landfill	Smelter Services & Associated Commodity landfills. Category

				Loss of biological integrity due to siltation Salinity/TDS/Chlorides <u>HL</u> Other Habitat Alterations <u>Total Dissolved Solids</u>	NA NA NA L	Urbanized High Density Area Permitted Industrial Stormwater Discharge	5. EPA approved a siltation/habitat alteration TMDL that addresses some of the known pollutants. Additional TMDLs needed.
TN06040003 023 - 0210	UNNAMED TRIB TO SUGAR CREEK	Maury	1.0	Unionized Ammonia Chlorides Total Dissolved Solids	NA NA NA	Landfill	Smelter Services & Associated Commodity landfill Category 5 for phosphorus Category 4Bb for other pollutants due to consent decree in place.
TN06040003 023 - 0250	SUGAR CREEK	Maury	2.5	Nitrate+Nitrite Total Phosphorus Chlorides Total Dissolved Solids	NA M NA NA	Surface Mining (phosphorus) Landfill	Smelter Services & Associated Commodity landfill. Category 5 for phosphorus. Category 4Bb for other pollutants due to consent decree in place.
TN06040003 ARROWLK_1000	ARROW LAKE	Maury	56.1 ac	pH Unionized Ammonia Nitrate+Nitrite Chlorides Total Phosphorus	NA NA NA NA M	Landfill Surface Mining	Smelter Services & Associated Commodity landfill. Category 5 for phosphorus. Category 4Bb for other pollutants due to consent decree in place.
TN06040003 023 - 1000	SUGAR FORK	Maury	1.77	Total Phosphorus Nitrate+Nitrite Escherichia coli <u>Chlorides</u>	M M NA L	Municipal Point Source Landfill Permitted Industrial Stormwater Discharge	Mt Pleasant STP. Category 5. EPA approved a pathogen TMDL that addresses some of the known pollutants. Additional TMDLs needed.
TN06040003 023 - 2000	SUGAR FORK	Maury	1.13	Loss of biological integrity due to siltation Total Phosphorus Nitrate+Nitrite Escherichia coli	NA M M NA	Urbanized High Density Area Industrial Point Source Permitted Industrial Stormwater Discharge Landfill	Mt Pleasant area sources. Category 5. EPA approved a pathogen TMDL that addresses some one of the known pollutants. This segment is covered by the existing HUC-12 based siltation/habitat alteration TMDL approved by EPA on 3/1/2005. Additional TMDLs needed.
TN06040003 024 - 0100	BEASLEY HOLLOW	Maury	0.79	Flow Alteration Low Dissolved Oxygen	NA L	Upstream Impoundment	Category 5. Flow alteration is 4c, impact 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. TMDL needed.
TN06040003 026 - 1000	DUCK RIVER	Maury	7.43	Total Phosphorus Low Dissolved Oxygen	M L	Municipal Point Source Discharges from MS4 Area	Columbia area impacts. Stream is Category 5. (One or more uses are impaired.) TMDLs needed.

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Waterbody ID	Impacted Waterbody	County	Miles/Acres Impaired	CAUSE / TMDL Priority	Pollutant Source	COMMENTS
TN06040003 027 – 0100	UNNAMED TRIB TO LITTLE BIGBY CR.	Maury	2.0	Physical Substrate Habitat Alterations <u>Other Anthropogenic Alterations</u>	Discharges from MS4 area Channelization	Category 4a. EPA approved a habitat TMDL that addresses the known pollutant.
TN06040003 027 – 1000	LITTLE BIGBY CREEK	Maury	18.77	Loss of biological integrity — due to siltation	Discharges from MS4 area Pasture Grazing	Category 4a. EPA approved a siltation TMDL that addresses the known pollutants.
TN06040003 030 - 0100	UNNAMED TRIB TO LYTLE CREEK	Maury	1.6	Loss of biological integrity due to siltation Physical Substrate Habitat Alterations	Discharges from MS4 area Channelization	Category 4a. Impaired, but EPA approved siltation/habitat alteration TMDLs that address the known pollutants.
TN06040003 030 - 1000	LYTLE CREEK	Maury	2.4	Loss of biological integrity due to siltation	Discharges from MS4 area	Category 4a. EPA approved a siltation TMDL that addresses the known pollutant. This segment is covered by the existing HUC-12 based siltation/habitat alteration TMDL approved by EPA on 3/1/2005.
TN06040003 034 – 0260	COLEMAN BRANCH	Maury	1.02	Loss of biological integrity due to siltation NA	Land Development Discharges from MS4 area	Category 5 4a. TMDL needed. This segment is covered by the existing HUC-12 based siltation/habitat alteration TMDL approved by EPA on 3/1/2005.
TN06040003 034 – 0300	MCCUTCHEON CREEK	Maury Williamson	12.27	Loss of biological integrity due to siltation	Land Development Discharges from MS4 area	Category 4a. Impaired, but EPA approved a siltation TMDL for the known pollutant.
TN06040003 034 – 0410	GRASSY BRANCH	Maury Williamson	7.18	Alteration in Stream-side or littoral vegetative cover Loss of biological integrity due to siltation	Discharges from MS4 area	Category 4a. EPA approved a siltation/habitat alteration TMDL that addresses the known pollutants. This segment is covered by the existing HUC-12 based siltation/habitat alteration TMDL approved by EPA on 3/1/2005.
TN06040003 034 – 0700	CROOKED CREEK	Maury	2.5	Loss of biological integrity due to siltation Physical Substrate Habitat Alterations	Pasture Grazing Discharge from MS4 area	Category 4a. EPA approved a siltation/habitat alteration TMDL that addresses the known pollutants.
TN06040003 034 – 2000	RUTHERFORD CREEK	Maury	10.0	Alteration in Stream-side or littoral vegetative cover NA	Municipal Point Source Discharge from MS4 area	Category 5. EPA approved a siltation TMDL that addresses

				Loss of biological integrity due to siltation NA Nitrate+Nitrite M Total Phosphorus M		some of the known pollutants.
TN06040003 034 – 3000	RUTHERFORD CREEK	Maury Williamson	12.5	Loss of biological integrity — due to siltation NA Nitrate+Nitrite M Total Phosphorus M	Pasture Grazing Discharge from MS4 area	Category 5. EPA approved a siltation TMDL that addresses some of the known pollutants.
TN06040003 041 – 0800	POTTS BRANCH	Maury	2.91.82	Escherichia coli NA	Confined-Concentrated Animal Feeding Operation (nonpoint)	Category 4a. EPA approved a pathogen TMDL that addresses the known pollutant.
TN06040003 041_0810	UNNAMED TRIBUTARY TO POTTS BRANCH	Maury	1.07	Escherichia coli L Nitrate+Nitrite L Total Phosphorus L	Concentrated Animal Feeding Operation	Category 5. TMDLs needed.
TN06040003 041 – 0900	LUNNS BRANCH	Hickman Maury	3.3	Escherichia coli NA	Concentrated Animal Feeding Operation	Category 4a. EPA approved a pathogen TMDL that addresses the known pollutant.

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Waterbody ID	Impacted Waterbody	County	Miles/Acres Impaired	CAUSE / TMDL Priority	Pollutant Source	COMMENTS
TN06040003 041 – 1100	DOG BRANCH CREEK	Hickman Maury	13.8	Escherichia coli NA	Pasture Grazing	Category 4a. EPA approved a pathogen TMDL that addresses the known pollutant.
TN06040003 050 - 0620	GRAB CREEK	Dickson	3.94	Escherichia coli HM	Pasture Grazing Discharges from MS4 area	Stream is Category 5. One or more uses are impaired. <u>TMDL needed.</u>
TN06040003 060 – 0700	EGYPT HOLLOW CREEK	Humphreys	4.68	Flow Alterations NA Low dissolved oxygen L Manganese HL	Upstream Impoundment	Category 5. Flow is Category 4c, impacts not due to a pollutant.
TN06040003 062 – 3000	BLUE CREEK	Humphreys	5.1	Nitrate+Nitrite ML Total Phosphorus ML Low dissolved oxygen L Solids L Escherichia coli NA	Municipal Point Source	McEwen STP. Category 5. EPA approved a pathogen TMDL that addresses some of the known pollutants. <u>Additional TMDLs needed. TMDL Vision Priority Watershed</u>

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	Nonirrigated Crop Production Pasture Grazing	Stream is Category 5. (One or more uses impaired.) <u>TMDLs</u>

				Loss of biological integrity due to siltation L		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	Stream is Category 5. (One or more uses impaired.) TMDLs needed.
TN06040004 001 – 1000	BUFFALO RIVER	Humphreys Perry	38.3	Mercury L	Atmospheric Deposition Undetermined Source	Fishing advisory due to mercury. Category 5. EPA assistance requested on TMDLs which include atmospheric mercury deposition.
TN06040004 007 – 2000	GREEN RIVER	Wayne	2.65	Solids M	Municipal Point Source	Waynesboro STP. Category 5.
TN06040004 013 - 0110	SQUAW BRANCH	Lewis Lawrence	4.33	Flow Alteration NA Low Dissolved Oxygen L Iron L	Upstream Impoundment	Category 5, flow alteration is 4c (not caused by a pollutant).
TN06040004 013 - 0150	CHIEF CREEK	Lewis Lawrence	3.98	Flow Alteration NA	Upstream Impoundment	Impacted by lack of flow and poor quality releases from Maddox Lake. Category 4c. Impacts not due to a pollutant.

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Waterbody ID	Impacted Waterbody	County	Miles/Acres Impaired	CAUSE / TMDL Priority	Pollutant Source	COMMENTS
TN06040004 013 - 0200	WEAVER BRANCH	Lawrence	1.3	Habitat loss due to stream Flow alteration NA Low dissolved oxygen L Iron L	Upstream Impoundment	Impacted by lack of flow and poor quality releases from VFW Lake. Category 5, but flow alteration is 4c (impact not caused by a pollutant).
TN06040004 013 - 0300 0400	DRY BRANCH	Lawrence	2.34	Escherichia coli HM Sludge Solids L	Concentrated Animal Feeding Operation	Category 5. TMDLs needed.
TN06040004 025 – 0200	BOOKER HOLLOW	Lewis	1.8	Nitrate+Nitrite M Total Phosphorus M Low dissolved oxygen L Temperature Alterations L Escherichia coli NA	Municipal Point Source Collection System Failure	Hohenwald area impacts include collection system problems and poor quality effluent from the sewage treatment plant. Category 5. EPA approved a pathogen TMDL that addresses some of the known pollutants.
TN06040004 025 - 2000	ROCKHOUSE CREEK	Lewis	5.1	Total Phosphorus M Nitrate+Nitrite M	Municipal Point Source Urbanized High Density Area	Same as above. Stream is Category 5. Impaired, but EPA

				Physical Substrate Habitat Alterations Escherichia coli	L NA	Dredging	has approved a pathogen TMDL that addresses some of the known pollutants. Additional TMDL needed.
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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 Loss of biological integrity due to siltation	L L Pasture Grazing 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	Stream shared with Kentucky. Headwaters in Tennessee are channelized. Category 5. (One or more uses impaired.) TMDLs needed.

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Waterbody ID	Impacted Waterbody	County	Miles/Acres Impaired	CAUSE / TMDL Priority	Pollutant Source	COMMENTS
TN06040005 038 - 0100	WEST SANDY EMBAYMENT	Henry	3.7 1101.12 ac	Nutrients Low dissolved oxygen Loss of biological integrity due to siltation Mercury	L L L L	Stream is Category 5. (One or more uses impaired.) TMDLs needed. EPA assistance requested for atmospheric mercury TMDLs. Additional TMDLs needed.
TN06040005 038_0150	SPRINGVILLE BOTTOM	Henry	10 ac 3228 ac	Mercury	L Atmospheric Deposition	Category 5. TMDL needed. EPA assistance requested for atmospheric mercury TMDLs.
TN06040005 038_1000	BIG SANDY EMBAYMENT	Benton Henry	500 13978.39 ac	Mercury	L Atmospheric Deposition	Category 5. TMDL needed. EPA assistance requested for atmospheric mercury TMDLs.
TN06040005 020T - 0510	UNNAMED TRIB TO FORD CREEK	Benton	3.53	Flow Alteration	NA Upstream Impoundment	Creek is impacted by lack of flow and poor quality releases from Blackburn Lake. Category 4c. Impact not caused by a pollutant.
TN06040005 023 – 0500	CLIFTY CREEK	Henry	15.8	Low dissolved oxygen Loss of biological integrity due to siltation Total Phosphorus	L L L	Stream is Category 5. (One or more uses impaired.) TMDLs needed.
TN06040005	TOWN CREEK	Henry	9.55	Physical Substrate Habitat	Channelization	Category 5. TMDL needed.

024_0110				Alterations	L		
TN06040005 024 - 0111	UNNAMED TRIB TO TOWN CREEK	Henry	0.55	Flow Alteration	NA	Upstream Impoundment	Creek is impacted by lack of flow and poor quality releases from Green Acres Lake. Category 4c. Impact not caused by a pollutant.
TN06040005 024_ - 01130114	THREEMILE BRANCH	Henry	4.72	Flow Alteration	NA	Upstream Impoundment	Creek is impacted by lack of flow and poor quality releases from Smith Lake. Category 4c. Impact not caused by a pollutant.
TN06040005 024 - 0600	BRUSHY BRANCH	Henry	8.1	Alteration in stream-side or littoral vegetative cover	L	Pasture Grazing	Category 5. TMDL needed.
TN06040005 027 - 0350	DRY CREEK	Benton	1.4	Flow Alteration	NA	Upstream Impoundment	Impacted by lack of flow and poor quality releases from Cedar Lake #2. Category 4c (impacts not caused by a pollutant.)
TN06040005 027 -0700	HUNTING CREEK	Benton Carroll	11.4	Loss of biological integrity due to siltation	L	Sand/Gravel/Rock Mining	Stream is Category 5. (One or more uses impaired.) TMDLs needed.
TN06040005 027_1000	BIG SANDY RIVER	Carroll	27.7	Mercury	L	Atmospheric deposition	Category 5. TMDL needed. EPA assistance requested for atmospheric mercury TMDLs.
TN06040005 027 -1310	HOLLOW ROCK BRANCH	Carroll	11.71	Alteration in stream-side or littoral vegetative cover	M	Nonirrigated Crop Production	Stream is 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 Loss of biological integrity due to siltation	L L	Pasture Grazing Channelization Nonirrigated Crop Production	Stream is Category 5. (One or more uses impaired.) TMDLs needed.
TN06040005 032 - 0150	MAPLE CREEK	Carroll	4.0	Flow Alteration	NA	Upstream Impoundment	Creek impacted by poor quality releases from Maple Creek Lake. Stream is Category 4c. Impacts not caused by a pollutant.
TN06040005 032 -0300	MORRIS CREEK	Carroll Henderson	15.24	Alteration in stream-side or littoral vegetative cover Loss of biological integrity due to siltation	L L	Nonirrigated Crop Production Channelization	Stream is Category 5. (One or more uses impaired.) TMDLs needed.

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Waterbody ID	Impacted Waterbody	County	Miles/Acres Impaired	CAUSE / TMDL Priority	Pollutant Source	COMMENTS	
TN06040005 032 -0600	OLIVE BRANCH	Henderson	9.2	Alteration in stream-side or littoral vegetative cover Loss of biological integrity due to siltation	L L	Nonirrigated Crop Production Pasture Grazing	Stream is Category 5. (One or more uses impaired.) TMDLs needed.
TN06040005	BIG BEAVER CREEK	Henderson	13.13	Physical Substrate Habitat		Channelization	Stream is Category 5. (One or

032 – 0700				Alterations <u>Alteration in stream-side or littoral vegetative cover</u>	M L	<u>Nonirrigated Crop Production</u>	more uses impaired.) <u>TMDLs needed.</u>
TN06040005 032 – 0720	LITTLE BEAVER CREEK	Henderson	5.84	Nitrate+Nitrite Total Phosphorus Physical Substrate Habitat Alterations <u>Escherichia coli</u>	M M L NA	Pasture Grazing Channelization	Category 5. Uses are impaired, but EPA has approved a pathogen TMDL that addresses some of the known pollutants. <u>TMDLs needed.</u>
TN06040005 032 – 0900	MUD CREEK	Carroll Henderson	8.53	Nitrate+Nitrite Total Phosphorus Low dissolved oxygen Escherichia coli	M M M NA	Pasture Grazing Nonirrigated Crop Production	Category 5. EPA approved a pathogen TMDL that addresses some of the known pollutants. <u>Additional TMDLs needed.</u>
TN06040005 032 – 1000	BIG SANDY RIVER	Carroll	7.3	Escherichia coli <u>Mercury</u>	NA L	Pasture Grazing <u>Atmospheric Deposition</u>	Category 4a. Impaired, but EPA has approved a pathogen TMDL that addresses known pollutants. <u>EPA assistance requested for atmospheric mercury TMDLs.</u>
TN06040005 032 – 2000	BIG SANDY RIVER	Carroll Henderson	12.5	Nitrate+Nitrite Total Phosphorus Low dissolved oxygen Escherichia coli <u>Mercury</u>	M M L NA L	Pasture Grazing <u>Atmospheric Deposition</u>	Category 5. Uses are impaired, but EPA has approved a pathogen TMDL that addresses some of the known pollutants. <u>EPA assistance requested for atmospheric mercury TMDLs. Additional TMDLs needed.</u>
<u>TN06040005</u> <u>050_0100</u>	<u>CONLEY BRANCH</u>	<u>Humphreys</u>	<u>3.7</u>	<u>Escherichia coli</u>	<u>L</u>	<u>Collection System Failure</u>	<u>Category 5. TMDL needed.</u>
TN06040005 050 – 1000	TRACE CREEK	Humphreys	5.33	Nitrate+Nitrite Total Phosphorus	<u>ML</u> <u>ML</u>	Municipal Point Source	Waverly area impacts, including Waverly STP. Category 5. (One or more uses impaired.) <u>Additional TMDLs needed. TMDL Vision Priority Watershed</u>
TN06040005 050 – 2000	TRACE CREEK	Humphreys	7.33	Loss of biological integrity – due to siltation Physical Substrate Habitat – Alterations	L L	Land Development	Waverly area impacts. Stream is Category 5. (One or more uses impaired.)
<u>TN06040005</u> <u>059_0500</u>	<u>PINHOOK BRANCH</u>	<u>Humphreys</u> <u>Houston</u>	<u>10.2</u>	<u>Alteration in stream-side or littoral vegetative cover</u>	<u>L</u>	<u>Pasture Grazing</u>	<u>Category 5. TMDL needed.</u>
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	Creek is impacted by lack of flow and poor quality releases from Lakeview Circle Lake. Category 5, but flow alteration is 4c, impact not caused by a pollutant. <u>Additional TMDLs needed.</u>
TN06040005 075 – 0300	LITTLE TURKEY CREEK	Humphreys	3.3	Alteration in stream-side – or littoral vegetative cover	L	Pasture Grazing	Category 5

TN06040005 870 - 0100	UNNAMED TRIB TO CYPRESS CREEK	Benton	0.76	Coal Ash	L	Landfills	Trans Ash site. Category 5. TMDL needed.
TN06040005 870 - 0210	CANE CREEK	Benton	2.84	Alteration in stream-side or littoral vegetative cover	L	Urbanized High Density Area Channelization	Category 5. TMDL needed.

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Waterbody ID	Impacted Waterbody	County	Miles/Acres Impaired	CAUSE / TMDL Priority	Pollutant Source	COMMENTS
TN06040005 870 - 0415	CHARLIE CREEK	Benton	1.0	Flow Alteration Low Dissolved Oxygen	NA L	Upstream Impoundment Lack of flow and poor quality releases from Shannon Lake. Category 5. Flow alteration is 4c.

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

Waterbody ID	Impacted Waterbody	County	Miles/Acres Impaired	CAUSE / TMDL Priority	Pollutant Source	COMMENTS
TN06040006 014 - 0100	WHITE OAK CREEK	Henry	1.09	Physical Substrate Habitat Alterations	L Nonirrigated Crop Production	Stream is Category 5. (One or more uses impaired.) TMDL needed.
TN06040006 014 - 0200	DRY CREEK	Henry	4.99	Physical Substrate Habitat Alterations	L Nonirrigated Crop Production	Stream is Category 5. (One or more uses impaired.) TMDL needed.
TN06040006 014 - 0300	PLEASANT GROVE CREEK	Henry	1.63	Physical Substrate Habitat Alterations	L Nonirrigated Crop Production	Stream is Category 5. (One or more uses impaired.) TMDL needed.
TN06040006 014 - 1000	EAST FORK CLARKS RIVER	Henry	5.90	Physical Substrate Habitat Alterations	L Nonirrigated Crop Production	Stream is Category 5. 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	Stream is Category 5. (One or more uses impaired.)
TN08010100 001 - 0110	OLD GRAVEYARD SLOUGH	Lake	13.01	Physical Substrate Habitat Alterations Loss of biological integrity due to siltation	L L Nonirrigated Crop Production Channelization	Near Tiptonville. Stream is Category 5. (One or more uses impaired.)
TN08010100 001 - 0200	BLUE BANK BAYOU	Lake	15.46	Nitrate+Nitrite Loss of biological integrity due to siltation Escherichia coli	M L M Nonirrigated Crop Production Undetermined Source	Stream is Category 5. (One or more uses impaired.)

TN08010100 001 - 0320	COLD CREEK	Lauderdale	42.2	Loss of biological integrity due to siltation Escherichia coli	L M	Pasture Grazing Nonirrigated Crop Production	Randomly selected for statewide Wadeable Streams Study. Category 5.
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Waterbody ID	Impacted Waterbody	County	Miles/Acres Impaired	CAUSE / TMDL Priority		Pollutant Source	COMMENTS
TN08010100 001 -1000	MISSISSIPPI RIVER	Shelby	24.9	Mercury PCBs Dioxin Chlordane Physical Substrate Habitat Alterations	NA NA NA NA L	Atmospheric Deposition Dredging Contaminated Sediments Sources Outside the State	Fishing advisory originally due to chlordane. Category 5. EPA approved mercury, PCB, chlordane, and dioxin TMDLs that address some of the known pollutants.
TN08010100 001 -1100	WOLF RIVER HARBOR	Shelby	3.0	Mercury PCBs Dioxin Chlordane	NA NA NA NA	Atmospheric Deposition Contaminated Sediments	Fishing advisory originally due to chlordane. Category 5. EPA approved mercury, PCB, chlordane, and dioxin TMDLs that address the known pollutants.
TN08010100 001 - 1200	MCKELLAR LAKE	Shelby	13.0	Mercury PCBs Chlordane Dioxin Nitrate+Nitrite Loss of biological integrity due to siltation Low dissolved oxygen Escherichia coli	L L L L L L L M	Atmospheric Deposition Collection System Failure Discharges from MS4 area Dredging Contaminated Sediment	Fishing advisory originally due to chlordane. McKellar Lake is not really a lake. Category 5. (One or more uses impaired.) EPA assistance requested on TMDLs which involve atmospheric <u>mercury</u> deposition.
TN08010100 001 - 2000	MISSISSIPPI RIVER	Shelby Tipton	40.0	PCBs Dioxin Chlordane Physical Substrate Habitat Alterations	NA NA NA L	Dredging Contaminated Sediment	Category 5. EPA approved PCB, chlordane, and dioxin TMDLs that address some of the known pollutants.
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. EPA approved mercury, PCB, chlordane, and dioxin TMDLs that address some of the known pollutants.
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. Habitat for federally listed pallid sturgeon (<u>Scaphirhynchus albus</u>). EPA approved mercury, PCB, chlordane, and dioxin TMDLs that address some of the known pollutants.

TN08010100 001 - 5000	MISSISSIPPI RIVER	Lake	10.2	PCBs Dioxin Chlordane Physical Substrate Habitat Alterations	NA NA NA L	Dredging Contaminated Sediment	Category 5. EPA approved mercury, PCB, chlordane, and dioxin TMDLs that address some of the known pollutants.
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Obion River Basin

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

Waterbody ID	Impacted Waterbody	County	Miles/Acres Impaired	CAUSE TMDL Priority	Pollutant Source	COMMENTS	
TN08010202 001 - 0200	JOHNSON CREEK	Obion Dyer	10.9	Loss of biological integrity due to siltation Physical Substrate Habitat Alterations	L L	Nonirrigated Crop Production Channelization	Stream is Category 5. (One or more uses impaired.)
TN08010202 001 - 0700	GRASS CREEK	Obion Gibson	31.7	Escherichia coli	H	Pasture Grazing	Stream is Category 5. (One or more uses impaired.)
TN08010202 001 - 1000	OBION RIVER	Dyer	28.6	Loss of biological integrity due to siltation Physical Substrate Habitat Alterations Escherichia coli	L L H	Nonirrigated Crop Production Channelization Undetermined Source	Stream is Category 5. (One or more uses impaired.)
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	Stream is Category 5. (One or more uses impaired.)
TN08010202 001 - 3000	OBION RIVER	Dyer Obion	14.0	Loss of biological integrity due to siltation Physical Substrate Habitat Alterations Escherichia coli	L L H	Nonirrigated Crop Production Channelization Undetermined Source	Category 5. TMDLs needed.
TN08010202 001 - 4000	OBION RIVER	Obion	7.6	Loss of biological integrity due to siltation Physical Substrate Habitat Alterations Escherichia coli	L L NA	Nonirrigated Crop Production Channelization Undetermined Source	Category 5. Impaired, but EPA has approved a pathogen TMDL that addresses some of the known pollutants.
TN08010202 003 - 0100	COOL SPRINGS BRANCH	Dyer Gibson	22.1	Loss of biological integrity due to siltation Physical Substrate Habitat Alterations Low Dissolved Oxygen	L L L	Nonirrigated Crop Production Channelization Undetermined Source	Stream is Category 5. (One or more uses impaired.)
TN08010202 003 - 1000	REEDS CREEK	Dyer Gibson	8.3	Loss of biological integrity due to siltation Physical Substrate Habitat Alterations Escherichia coli	L L H	Nonirrigated Crop Production Channelization Undetermined Source	Stream is Category 5. (One or more uses impaired.)
TN08010202	UNNAMED TRIB	Obion	20.6	Low Dissolved Oxygen	L	Discharges from MS4 area	Stream is Category 5. (One or

009 – 0100	TO NORTH FORK OBION RIVER			Escherichia coli	H		more uses impaired.)
TN08010202 009 - 0200	TOMMY CREEK	Weakley	7.4	Loss of biological integrity due to siltation Physical Substrate Habitat Alterations	L L	Nonirrigated Crop Production	Stream is Category 5. (One or more uses impaired.)

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Waterbody ID	Impacted Waterbody	County	Miles/Acres Impaired	CAUSE / TMDL Priority	Pollutant Source	COMMENTS	
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.
TN08010202 009 - 0710	HURRICANE CREEK	Weakley	13.6	Nitrate+Nitrite Loss of biological integrity due to siltation Alteration in stream-side or littoral vegetative cover Escherichia coli	M L L NA	Nonirrigated Crop Production Channelization Pasture Grazing	Category 5. Impaired, but EPA has approved a pathogen TMDL that addresses some of the known pollutants.
TN08010202 009 - 1000	NORTH FORK OBION RIVER	Obion Weakley	10.13	Loss of biological integrity due to siltation Physical Substrate Habitat Alterations	L L	Nonirrigated Crop Production Channelization	Stream is Category 5. (One or more uses impaired.)
TN08010202 009 - 1900	MAYO BRANCH	Weakley	7.4	Physical Substrate Habitat Alterations	L	Nonirrigated Crop Production	Stream is Category 5. (One or more uses impaired.)
TN08010202 014 - 0300	CLAYPIT CREEK	Weakley	3.8	Loss of biological integrity due to siltation Physical Substrate Habitat Alterations	L L	Nonirrigated Crop Production Upstream Impoundment	Stream is Category 5. (One or more uses impaired.)
TN08010202 014 - 0400	STRAWBERRY BRANCH	Weakley	1.92	Loss of biological integrity due to siltation Physical Substrate Habitat Alterations	L L	Nonirrigated Crop Production Upstream Impoundment Channelization	Stream is Category 5. (One or more uses impaired.)
TN08010202 014 - 0500	OWL BRANCH	Weakley	2.73	Loss of biological integrity due to siltation Physical Substrate Habitat Alterations	L L	Nonirrigated Crop Production Channelization	Stream is Category 5. (One or more uses impaired.)
TN08010202 014 - 1000	CYPRESS CREEK	Weakley	10.66	Escherichia coli	H	Pasture Grazing	Stream is Category 5. (One or more uses impaired.)
TN08010202 024 - 0100	WOLF CREEK	Obion	5.3	Loss of biological integrity due to siltation Physical Substrate Habitat Alterations	L L	Nonirrigated Crop Production Channelization	Stream is Category 5. (One or more uses impaired.)
TN08010202 024 - 0200	WALNUT GROVE CREEK	Obion	6.2	Loss of biological integrity due to siltation	L	Nonirrigated Crop Production Channelization	Stream is Category 5. (One or more uses impaired.)

				Physical Substrate Habitat Alterations	L		
TN08010202 024 - 0300	TROUBLE CREEK	Weakley	4.7	Loss of biological integrity due to siltation	L	Nonirrigated Crop Production Channelization	Stream is Category 5. (One or more uses impaired.)
				Physical Substrate Habitat Alterations	L		

Draft Version 2016 303(d) LIST (Obion River Watershed continued)

Waterbody ID	Impacted Waterbody	County	Miles/Acres Impaired	CAUSE / TMDL Priority	Pollutant Source	COMMENTS
TN08010202 024 - 0400	JONES BRANCH	Weakley	5.2	Loss of biological integrity due to siltation Physical Substrate Habitat Alterations	L L	Nonirrigated Crop Production Channelization Stream is Category 5. (One or more uses impaired.)
TN08010202 024 - 1000	RICHLAND CREEK	Weakley Obion	12.2	Loss of biological integrity due to siltation Physical Substrate Habitat Alterations	L L	Pasture Grazing Channelization Stream is Category 5. (One or more uses impaired.)
TN08010202 027 - 1000	RICHLAND CREEK	Obion	11.2	Loss of biological integrity due to siltation Physical Substrate Habitat Alterations	L L	Nonirrigated Crop Production Channelization Stream is Category 5. (One or more uses impaired.)
TN08010202 028 - 0100	UNNAMED TRIB TO CLOVER CREEK	Obion	3.74	Physical Substrate Habitat Alterations Alteration in stream-side or littoral vegetative cover Low Dissolved Oxygen Loss of biological integrity due to siltation Nitrate+Nitrite Total Phosphorus	L L L L M M	Channelization Nonirrigated Crop Production Category 5.
TN08010202 028 - 1000	CLOVER CREEK	Obion	11.7	Loss of biological integrity due to siltation Physical Substrate Habitat Alterations	L L	Nonirrigated Crop Production Channelization Stream is Category 5. (One or more uses impaired.)
TN08010202 029 - 1000	RUNNING REELFOOT BAYOU	Obion Lake	23.8	Low Dissolved Oxygen Loss of biological integrity due to siltation Flow Alteration Nutrients Physical Substrate Habitat Alterations	L L NA M L	Nonirrigated Crop Production Channelization Upstream Impoundment Landfill Two fully supporting tributaries, Paw Paw Creek and Rock Branch are reference streams for the West TN uplands. Category 5, but flow alteration is 4c (impact not caused by a pollutant).
TN08010202 036 - 0100	NORTH REELFOOT CREEK	Obion	20.6	Escherichia coli Physical Substrate Habitat Alterations	NA L	Pasture Grazing Channelization Nonirrigated Crop Production Category 5. EPA approved a pathogen TMDL that addresses some of the known

				Alteration in stream-side or littoral vegetative cover	L		pollutants.
				Nitrate+Nitrite	M		
				Total Phosphorus	M		

Draft Version 2016 303(d) LIST (Obion River Watershed [continued](#))

Waterbody ID	Impacted Waterbody	County	Miles/Acres Impaired	CAUSE / TMDL Priority	Pollutant Source	COMMENTS
TN08010202 036 - 0120	TULL CREEK	Obion	1.1	Low Dissolved Oxygen Habitat loss due to stream Flow alteration - NA	L Upstream Impoundment	Randomly selected for Impounded Streams Study below Reelfoot Watershed Lake #14. Category 5, but 4c for flow alteration (impact not caused by a pollutant).
TN08010202 036 - 0160	TAYLOR CREEK	Obion	10.5	Low Dissolved Oxygen Habitat loss due to stream Flow alteration - NA Other Anthropogenic Habitat Alterations L	L Upstream Impoundment Channelization	Randomly selected for Impounded Streams Study below Reelfoot Watershed Lake #7. Category 5, but 4c for flow alteration.
TN08010202 036 - 0200	SOUTH REELFOOT CREEK	Obion	13.7	Escherichia coli	H Pasture Grazing	Stream is Category 5 (one or more uses impaired).
TN08010202 036 - 1000	REELFOOT CREEK	Obion	5.87	Loss of biological integrity due to siltation Nutrients Habitat loss due to stream Flow alteration - NA Escherichia coli NA	L M NA NA Nonirrigated Crop Production Upstream Impoundment Channelization Pasture Grazing	Channelization, erosion and the building of sedimentation dams have caused impacts. Category 5, flow alteration is 4c. EPA approved a pathogen TMDL that addresses some of the known pollutants.
TN08010202 040 - 1000	BLUE BASIN, REELFOOT LAKE	Obion Lake	10950.0 ac	Loss of biological integrity due to siltation Nutrients Low dissolved oxygen Habitat loss due to stream Flow alteration - NA	L M L NA Nonirrigated Crop Production Land Development Internal Nutrient Cycling Drainage/filling wetlands	Blue Basin has been impacted by shoreline development, sedimentation, low DO, and the effects of accelerated eutrophication. Category 5, but flow alteration is 4c.
TN08010202 040 - 2000	BUCK BASIN, REELFOOT LAKE	Obion	2900 ac	Nutrients Loss of biological integrity due to siltation Noxious Aquatic Plants Low dissolved oxygen	M L L L Nonirrigated Crop Production Internal Nutrient Cycling	Buck Basin impacted by low DO, sedimentation, aquatic plants, and accelerated eutrophication. Category 5.
TN08010202 040 - 3000	UPPER BLUE BASIN, REELFOOT LAKE	Obion	1650 ac	Nutrients Loss of biological integrity due to siltation Noxious Aquatic Plants Low DO	M L L L Nonirrigated Crop Production Internal Nutrient Cycling	Upper Blue Basin impacted by sedimentation, low DO, aquatic plants, and the effects of accelerated eutrophication. Category 5.
TN08010202	INDIAN CREEK	Obion	11.5	Loss of biological integrity	Nonirrigated Crop Production	Impoundment has altered

040T - 0500				due to siltation Flow Alteration	L NA	Upstream Impoundment	stream flows. Category 5, but flow alteration is 4c (impact not caused by a pollutant).
TN08010202 048 - 0100	ZION CREEK	Obion	11.8	Physical Substrate Habitat Alterations	L	Channelization	Stream is Category 5. (One or more uses impaired.)

Draft Version 2016 303(d) LIST (Obion River Watershed continued)

Waterbody ID	Impacted Waterbody	County	Miles/Acres Impaired	CAUSE / TMDL Priority	Pollutant Source	COMMENTS	
TN08010202 048 - 1000	CLOVERDALE CREEK	Obion Dyer	8.7	Physical Substrate Habitat Alterations	L	Nonirrigated Crop Production Channelization	Stream is Category 5. (One or more uses impaired.)
TN08010202 054 - 1000	BIFFLE CREEK	Dyer	7.8	Physical Substrate Habitat Alterations	L	Nonirrigated Crop Production Channelization	Stream is Category 5. (One or more uses impaired.)
TN08010202 419 - 1000	HOOSIER CREEK	Obion	10.3	Loss of biological integrity due to siltation Physical Substrate Habitat Alterations	L L	Nonirrigated Crop Production Channelization	Stream is Category 5. (One or more uses impaired.)
TN08010202 500 - 1000	CYPRESS CREEK	Obion Weakley	12.1	Total Phosphorus Alteration in stream-side or littoral vegetative cover Physical Substrate Habitat Alterations	M L L	Land Application of Wastes Nonirrigated Crop Production Channelization	Stream is Category 5. (One or more uses impaired.)

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

Waterbody ID	Impacted Waterbody	County	Miles/Acres Impaired	CAUSE / TMDL Priority	Pollutant Source	COMMENTS	
TN08010203 001 - 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.
TN08010203 001 - 0700	TODD CREEK	Weakley Carroll	4.98	Loss of biological integrity due to siltation	L	Pasture Grazing	Category 5.
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.
TN08010203 001 - 0910	SPRING CREEK	Carroll	7.63	Nitrate+Nitrite Total Phosphorus Loss of biological integrity due to siltation Escherichia coli	M M L NA	Municipal Point Source Failing Collection System Channelization Land Development	Stream is Category 5. EPA approved a pathogen TMDL that addresses one of the known pollutants.
TN08010203 001 - 1000 & 2000	SOUTH FORK OBION RIVER	Obion Weakley Gibson Carroll	42.8	Loss of biological integrity due to siltation Physical Substrate Habitat Alterations	L L	Nonirrigated Crop Production Channelization	Stream is Category 5. (One or more uses impaired.)

TN08010203 001 - 1600	UNNAMED TRIB TO SOUTH FORK OBION RIVER	Gibson	8.8	Physical Substrate Habitat Alterations	L	Channelization	Near Bradford. Stream is Category 5. (One or more uses impaired.)
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Draft Version 2016 303(d) LIST (South Fork Obion River Watershed continued)

Waterbody ID	Impacted Waterbody	County	Miles/Acres Impaired	CAUSE / TMDL Priority	Pollutant Source	COMMENTS	
TN08010203 007 - 2000	REEDY CREEK	Carroll	10.99	Loss of biological integrity due to siltation Physical Substrate Habitat Alteration	L L	Nonirrigated Crop Production	Stream is Category 5. (One or more uses impaired.)
TN08010203 010 - 0500	HAWKINS CREEK	Carroll	7.0	Alteration in stream-side or littoral vegetative cover	L	Channelization	Category 5.
TN08010203 010 - 1000	BEAVER CREEK	Carroll	4.7	Escherichia coli	M	Urbanized High Density Area	Category 5.
TN08010203 011 - 1000	CROOKED CREEK	Carroll	4.7	Escherichia coli	M	Undetermined Source	Category 5.
TN08010203 015 - 0100	TERRELL BRANCH	Weakley	4.6	Loss of biological integrity due to siltation Physical Substrate Habitat Alteration	L L	Nonirrigated Crop Production	Stream is Category 5. (One or more uses impaired.)
TN08010203 015 - 0600	THOMPSON CREEK	Weakley	6.2	Nitrate+Nitrite Loss of biological integrity due to siltation Physical Substrate Habitat Alterations Flow Alteration	M L L NA	Nonirrigated Crop Production Upstream Impoundment Channelization	Garrett Lake tailwaters impacted by flow alteration from the lake, plus channelization. Category 5, but flow alteration is 4c (impact not caused by a pollutant).
TN08010203 015 - 0700	OLD TOWN CREEK	Henry	5.35	Flow Alteration	NA	Upstream Impoundment	Flow alteration is 4c (impact not caused by a pollutant).
TN08010203 015 - 1300	ARNOLD BRANCH	Weakley	4.8	Flow Alteration	NA	Upstream Impoundment	Randomly-selected for Impounded Stream Study. Flow alteration is 4c (impact not caused by a pollutant).
TN08010203 015 - 1400	SUMMERS CREEK	Weakley	3.7	Loss of biological integrity due to siltation Physical Substrate Habitat Alterations	L L	Nonirrigated Crop Production	Stream is Category 5. (One or more uses impaired.)
TN08010203 015 - 1500	MORRIS BRANCH	Weakley	4.2	Nitrate+Nitrite Total Phosphorus Physical Substrate Habitat Alteration	M M L	Nonirrigated Crop Production	Stream is Category 5. (One or more uses impaired.)
TN08010203 015 - 1700	CANE CREEK	Weakley	10.7	Loss of biological integrity due to siltation	L	Surface Mining Pasture Grazing	Stream is Category 5. (One or more uses impaired.)
TN08010203 015 - 1800	BUCKOR DITCH	Weakley	6.2	Loss of biological integrity due to siltation	L	Nonirrigated Crop Production Pasture Grazing	Stream is Category 5. (One or more uses impaired.)

				Physical Substrate Habitat Alterations	L	Channelization	
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Draft Version 2016 303(d) LIST (South Fork Obion River Watershed continued)

Waterbody ID	Impacted Waterbody	County	Miles/Acres Impaired	CAUSE / TMDL Priority	Pollutant Source	COMMENTS	
TN08010203 015 – 2000	MIDDLE FORK OBION RIVER	Weakley	6.40	Total Phosphorus Nitrate+Nitrite Loss of biological integrity due to siltation	M L	Municipal Point Source Nonirrigated Crop Production Channelization	Stream is Category 5. (One or more uses impaired.)
TN08010203 015 – 3000	MIDDLE FORK OBION RIVER	Weakley Henry	19.9	Nitrate+Nitrite Loss of biological integrity due to siltation	M L	Nonirrigated Crop Production Channelization	Stream is Category 5. (One or more uses impaired.)
TN08010203 016 – 0200	COTTON CREEK	Weakley	12.3	Physical Substrate Habitat Alterations	L	Channelization	Stream is Category 5. (One or more uses impaired.)
TN08010203 016 – 0400	BOAZ CREEK	Weakley Henry	5.8	Physical Substrate Habitat Alterations	L	Channelization	Stream is Category 5. (One or more uses impaired.)
TN08010203 016 – 1000	SPRING CREEK	Weakley	3.5	Escherichia coli	M	Undetermined Source	Stream is Category 5. (One or more uses impaired.)
TN08010203 016 – 2000	SPRING CREEK	Weakley	8.6	Physical Substrate Habitat Alterations	L	Channelization	Stream is Category 5. (One or more uses impaired.)
TN08010203 020 – 0100	CANE CREEK	Obion Weakley	16.7	Nitrate+Nitrite Total Phosphorus Physical Substrate Habitat Alterations Escherichia coli	M M L M	Municipal Point Source Discharges from MS4 area Nonirrigated Crop Production	Stream is Category 5. (One or more uses impaired.)
TN08010203 020 – 2000	MUD CREEK	Weakley	11.6	Escherichia coli	M	Collection System Failure	Stream is Category 5. (One or more uses impaired.)
TN08010203 032 – 1000 & 2000	RUTHERFORD FORK OBION RIVER	Obion Gibson	29.9	Loss of biological integrity due to siltation Physical Substrate Habitat Alterations	L L	Nonirrigated Crop Production Channelization	Stream is Category 5. (One or more uses impaired.)
TN08010203 032 – 1400	JOHNS CREEK	Carroll	21.7	RDX	L	Hazardous Waste	Stream is Category 5. (One or more uses impaired.)
TN08010203 032 – 1410	HALLS BRANCH	Carroll	11.4	RDX	L	Hazardous Waste	Stream is Category 5. (One or more uses impaired.)
TN08010203 032 – 1500	WOLF CREEK	Gibson	21.6	RDX Loss of biological integrity due to siltation	L L	Hazardous Waste Channelization	Stream is Category 5. (One or more uses impaired.)
TN08010203 032 – 1510	EAST FORK WOLF CREEK	Gibson Carroll	8.2	RDX Loss of biological integrity due to siltation	L L	Hazardous Waste Channelization	Stream is Category 5. (One or more uses impaired.)
TN08010203 032 – 1900	CAMP CREEK	Gibson	11.8	Loss of biological integrity due to siltation Physical Substrate Habitat	L	Nonirrigated Crop Production Channelization	Stream is Category 5. (One or more uses impaired.)

				Alterations	L	
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Draft Version 2016 303(d) LIST (South Fork Obion River Watershed [continued](#))

Waterbody ID	Impacted Waterbody	County	Miles/Acres Impaired	CAUSE / TMDL Priority	Pollutant Source	COMMENTS
TN08010203 032 – 2100	OWEN BRANCH	Gibson	5.8	Loss of biological integrity due to siltation Physical Substrate Habitat Alterations L L	Nonirrigated Crop Production Channelization	Stream is Category 5. (One or more uses impaired.)
TN08010203 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 L	Nonirrigated Crop Production Channelization	Stream is Category 5. (One or more uses impaired.)
TN08010203 032 – 2300	EDMUNDSON CREEK	Gibson	14.7	Loss of biological integrity due to siltation Physical Substrate Habitat Alterations L L	Nonirrigated Crop Production	Stream is Category 5. (One or more uses impaired.)
TN08010203 032 – 3000	RUTHERFORD FORK OBION RIVER	Gibson Carroll	24.4	Physical Substrate Habitat Alterations L	Channelization	Stream is Category 5. (One or more uses impaired.)

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

Waterbody ID	Impacted Waterbody	County	Miles/Acres Impaired	CAUSE / TMDL Priority	Pollutant Source	COMMENTS
TN08010204 001 - 1000	NORTH FORK FORKED DEER RIVER	Gibson Dyer	8.34	Total Phosphorus M Loss of biological integrity due to siltation L Escherichia coli -NA	Nonirrigated Crop Production Discharges from MS4 area Channelization	Category 5. Impaired, but EPA approved a pathogen TMDL that addresses one known pollutant. Additional TMDLs needed.
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. TMDL 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. TMDL needed.
TN08010204 003 - 0300	TUCKER CREEK	Crockett	8.74	Physical Substrate Habitat Alteration L Loss of biological integrity due to siltation L	Nonirrigated Crop Production Channelization Pasture Grazing Undetermined Pathogen Source	Category 5. Impaired, but EPA has approved a pathogen TMDL that addresses some of the known pollutants.

Escherichia coli

NA

[Additional TMDLs needed.](#)**-Draft Version 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 - 1000	POND CREEK	Dyer Crockett	24.7	Low Dissolved Oxygen L Total Phosphorus M Loss of biological integrity due to siltation L Physical Substrate Habitat Alterations L Escherichia coli NA	Nonirrigated Crop Production Channelization Pasture Grazing Undetermined Pathogen Source	Category 5. Impaired, but EPA has approved a pathogen TMDL that addresses some of the known pollutants. Additional TMDLs needed.
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. The stream is impaired for one or more uses. TMDLs needed.
TN08010204 004 - 0200	BETHEL BRANCH	Dyer Gibson	30.4	Nitrate+Nitrite M Total Phosphorus M Physical Substrate Habitat Alterations L Escherichia coli NA	Nonirrigated Crop Production Pasture Grazing Channelization	Category 5. EPA approved a siltation-pathogen TMDL that addresses some of the known pollutants. TMDLs needed.
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	Stream is Category 5. (One or more uses impaired.) TMDLs needed.
TN08010204 004 - 0400	ELIZA CREEK	Dyer	7.02	Physical Substrate Habitat Alterations L	Channelization	Stream is 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	Stream is Category 5. (One or more uses impaired.) TMDLs needed.
TN08010204 004 - 1000	NORTH FORK FORKED DEER RIVER	Dyer	9.34	Physical Substrate Habitat Alterations L Mercury L	Channelization Atmospheric Deposition	Category 5. Impaired for one or more uses. EPA assistance requested for atmospheric mercury TMDLs. Additional TMDL needed.
TN08010204 004 - 2000	NORTH FORK FORKED DEER RIVER	Gibson Dyer	7.06	Mercury L	Atmospheric Deposition	Category 5. Impaired for one or more uses. EPA assistance requested for atmospheric mercury TMDLs.
TN08010204 005 - 0100	ODELL CREEK	Crockett	7.65	Alteration in stream-side or littoral vegetative cover L	Nonirrigated Crop Production Channelization	This stream is Category 5. The stream is impaired for one

				Loss of biological integrity due to siltation L Physical Substrate Habitat Alterations L		or more uses. TMDL needed.
TN08010204 005 - 0200	RICE CREEK	Crockett	5.12	Alteration in stream-side or littoral vegetative cover L Loss of biological integrity due to siltation L Physical Substrate Habitat Alterations L	Nonirrigated Crop Production Channelization	This stream is Category 5. The stream is impaired for one or more uses. TMDL needed.

Draft Version 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 005 - 0300	MILLER CREEK	Dyer Crockett	9.92	Ammonia L Low Dissolved Oxygen - L Alteration in stream-side or littoral vegetative cover L Loss of biological integrity due to siltation L Physical Substrate Habitat Alterations L Escherichia coli L	Municipal Point Source Nonirrigated Crop Production Channelization	This stream is Category 5. The stream is impaired for one or more uses. TMDLs needed.
TN08010204 005 - 1000	STOKES CREEK	Dyer Crockett	8.24	Total Phosphorus M Low Dissolved Oxygen L Alteration in stream-side or littoral vegetative cover L Loss of biological integrity due to siltation L Physical Substrate Habitat Alterations L	Nonirrigated Crop Production Channelization	This stream is Category 5. The stream is impaired for one or more uses. TMDLs needed.
TN08010204 007 - 0100	BUCK CREEK	Crockett Gibson	29.4	Ammonia L Nitrate+Nitrite L Total Phosphorus M Low Dissolved Oxygen L Physical Substrate Habitat Alterations L	Municipal Point Source Nonirrigated Crop Production Channelization	Category 5. The stream is impaired for one or more uses. TMDLs needed.
TN08010204 007 - 1000	MIDDLE FORK FORKED DEER RIVER	Gibson Crockett	15.3	Loss of biological integrity due to siltation L Physical Substrate Habitat Alterations L Escherichia coli NA	Nonirrigated Crop Production Channelization Undetermined Pathogen Source	Category 5, however EPA has approved a pathogen TMDL that addresses some of the known pollutants. Additional TMDLs needed.
TN08010204 009 - 0100	SAND CREEK	Crockett	14.29	Alteration in stream-side or littoral vegetation L Loss of biological integrity	Nonirrigated Crop Production Channelization	This stream is Category 5. The stream is impaired for one or more uses. TMDLs needed.

				due to siltation Physical Substrate Habitat Alterations	L L		
TN08010204 009 - 0200	UNNAMED TRIB TO CYPRESS CREEK	Crockett	3.4 <u>97.6</u>	<u>Alteration in stream-side or littoral vegetation</u> Physical Substrate Habitat Alterations	L L	<u>Nonirrigated Crop Production</u> Channelization	Stream is Category 5. (One or more uses impaired.) <u>TMDLs needed.</u>
TN08010204 009 - 1000	CYPRESS CREEK	Crockett	13.0	Total Phosphorus Low Dissolved Oxygen Physical Substrate Habitat Alterations Loss of biological integrity due to siltation Escherichia coli	M L L L L NA	Nonirrigated Crop Production Channelization Undetermined Pathogen Source	Category 5. EPA approved a pathogen TMDL that addresses one of the known pollutants. <u>Additional TMDLs needed.</u>
TN08010204 010 - 0100	BARNETT BRANCH	Gibson	15.6	<u>Alteration in stream-side or littoral vegetation</u> Loss of biological integrity due to siltation Physical Substrate Habitat Alterations	L L L	Nonirrigated Crop Production Channelization	Category 5. The stream is impaired for one or more uses. <u>TMDLs needed.</u>
TN08010204 010 - 0200	DUFFY'S BRANCH	Gibson Madison	6.4	Loss of biological integrity due to siltation	L	Nonirrigated Crop Production	Category 5. The stream is impaired for one or more uses. <u>TMDL needed.</u>

Draft Version 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 010 - 0300	DRY BRANCH	Gibson Madison	9.7	Loss of biological integrity due to siltation	L	Nonirrigated Crop Production Category 5. The stream is impaired for one or more uses. <u>TMDL needed.</u>
TN08010204 010 - 0400	CROOKED CREEK	Madison	5.0	Physical Substrate Habitat Alterations Loss of biological integrity due to siltation	L L	Nonirrigated Crop Production Channelization This stream is Category 5. The stream is impaired for one or more uses. <u>TMDLs needed.</u>
TN08010204 010 - 0500	POPLAR CREEK	Madison	9.7	Physical Substrate Habitat Alterations Loss of biological integrity due to siltation	L L	Land Development Channelization This stream is Category 5. The stream is impaired for one or more uses. <u>TMDLs needed.</u>
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 This stream is Category 5. The stream is impaired for one or more uses. <u>TMDLs needed.</u>
TN08010204 010 - 0700	DYER CREEK	Madison	30.6	Loss of biological integrity due to siltation Physical Substrate Habitat Alterations	L L L	Discharges from MS4 area Land Development Channelization This stream is Category 5. EPA approved a pathogen TMDL that addresses one of the known pollutants.

				Escherichia coli	NA		Additional TMDLs needed.
TN08010204 010 – 0800	MOIZE CREEK	Madison	12.8	Loss of biological integrity due to siltation Physical Substrate Habitat Alterations Escherichia coli	L L L NA	Discharges from MS4 area Channelization	This stream is Category 5. EPA approved a pathogen TMDL that addresses one of the known pollutants. Additional TMDLs needed.
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	<u>L</u> L L	Discharges from MS4 area Nonirrigated Crop Production Channelization	This stream is Category 5. The stream is impaired for one or more uses. 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 Collection System Failure Channelization	Category 54a . EPA approved a pathogen TMDL that addresses one of the known pollutants. Additional TMDLs needed.
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	This stream is Category 5. The stream is impaired for one or more uses. TMDLs needed.
TN08010204 010 - 1200	BEECH CREEK	Madison Crockett	23.8	Physical Substrate Habitat Alterations Escherichia coli	L L HNA	Nonirrigated Crop Production Channelization Pasture Grazing	Category 5. Impaired, but EPA approved a pathogen TMDL that addresses one of the known pollutants. Additional TMDLs needed.
TN08010204 010 - 1300	WARREN DITCH	Crockett	9.0	Loss of biological integrity due to siltation Physical Substrate Habitat Alterations	L L L	Nonirrigated Crop Production Channelization	This stream is Category 5. The stream is impaired for one or more uses. TMDLs needed.

Draft Version 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 010 - 2000	MIDDLE FORK FORKED DEER RIVER	Madison Crockett	8.5	Total Phosphorus Loss of biological integrity due to siltation Escherichia coli	L L NA	Municipal Point Source Discharges from MS4 Area Nonirrigated Crop Production Land Development Category 5. EPA approved a pathogen TMDL that addresses one of the known pollutants. Additional TMDLs needed.
TN08010204 010 - 3000	MIDDLE FORK FORKED DEER RIVER	Madison	11.3	Loss of biological integrity due to siltation	<u>L</u>	Nonirrigated Crop Production Pasture Grazing Channelization Category 5. One or more uses impaired. TMDLs needed.
TN08010204 013 – 1000	GILMER'S CREEK	Madison	15.3	Physical Substrate Habitat Alterations	L	Stream is Category 5. (One or more uses impaired.) TMDLs needed.

TN08010204 014 – 0100	DRY CREEK	Madison Carroll	9.0	Physical Substrate Habitat Alterations Escherichia coli	L NA	Pasture Grazing Channelization	Category 5. EPA approved a pathogen TMDL that addresses some of the known pollutants. Additional TMDL needed.
TN08010204 014 – 0500	CANE CREEK	Henderson	17.8	Loss of biological integrity — due to siltation	L	Land Development Silviculture	Stream is Category 5. (One or more uses impaired.)
TN08010204 014 - 0600	SPRING CREEK	Henderson	19.2	Physical Substrate Habitat Alterations Loss of biological integrity due to siltation	L L	Pasture Grazing Channelization	Stream is Category 5. (One or more uses impaired.) TMDLs needed.
TN08010204 014 - 0700	TYLER BRANCH	Henderson	2.39	Physical Substrate Habitat Alterations Alteration in stream-side or littoral vegetative cover Loss of biological integrity due to siltation	L L L	Pasture Grazing Channelization	Stream is 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 Loss of biological integrity due to siltation	L L	Pasture Grazing	Stream is 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 Loss of biological integrity due to siltation	L L	Pasture Grazing	Stream is Category 5. (One or more uses impaired.) TMDLs needed.
TN08010204 014 - 1300	EUBANKS BRANCH	Madison	4.39	Flow Alteration	NA	Upstream Impoundment	Category 4c. Impact not due to pollutant.
TN08010204 015 – 1000	TURKEY CREEK	Madison Gibson	24.3	Alteration in stream-side or littoral vegetative cover Loss of biological integrity due to siltation Physical Substrate Habitat Alterations	L L L	Channelization Nonirrigated Crop Production Land Development	Category 5. The stream is impaired for one or more uses. TMDLs needed.
TN08010204 016 - 1000	SUGAR CREEK	Gibson Crockett	26.5	Loss of biological integrity due to siltation Physical Substrate Habitat Alterations	L L	Nonirrigated Crop Production Channelization Land Development	Category 5. The stream is impaired for one or more uses. TMDLs needed.
TN08010204 017 – 0100	DAVIS CREEK	Gibson	32.6	Nitrate+Nitrite Total Phosphorus Physical Substrate Habitat Alterations Escherichia coli	M M L NA	Nonirrigated Crop Production Channelization Undetermined Pathogen Source	Category 5. Impaired, but EPA has approved a pathogen TMDL that addresses some of the known pollutants. Additional TMDLs needed.

[Draft Version 2016 303\(d\) LIST \(North Fork Forked Deer River Watershed continued\)](#)

Waterbody	Impacted Waterbody	County	Miles/Acres	CAUSE / TMDL Priority	Pollutant Source	COMMENTS
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ID			Impaired			
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	Stream is Category 5. (One or more uses impaired.) TMDLs needed.
TN08010204 017 – 1000	BUCK CREEK	Gibson	39.8	Low Dissolved Oxygen L Total Phosphorus M Loss of biological integrity due to siltation L Physical Substrate Habitat Alterations L Escherichia coli NA	Nonirrigated Crop Production Channelization Pasture Grazing Undetermined Pathogen Source	This stream is Category 5. The stream is impaired for one or more uses, however EPA has approved a pathogen TMDL that addresses some of the known pollutants. Additional TMDLs needed.
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	This stream is Category 5. The stream is impaired for one or more uses. 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	This stream is Category 5. The stream is impaired for one or more uses. 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	This stream is Category 5. The stream is impaired for one or more uses. 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	This stream is Category 5. The stream is impaired for one or more uses. TMDLs needed.
TN08010204 020 – 0600	HOG CREEK	Gibson	6.2	Physical Substrate Habitat Alterations L Loss of biological integrity due to siltation L	Nonirrigated Crop Production Channelization	This stream is Category 5. The stream is impaired for one or more uses. TMDLs needed.
TN08010204 020 – 0700	WALLSMITH BRANCH	Gibson	6.8	Physical Substrate Habitat Alterations L Loss of biological integrity due to siltation L	Nonirrigated Crop Production Channelization	This stream is Category 5. The stream is impaired for one or more uses. TMDLs needed.
TN08010204 020 – 0800	PARKER BRANCH	Gibson	12.0	Physical Substrate Habitat Alterations L Loss of biological integrity due to siltation L	Nonirrigated Crop Production Channelization	This stream is Category 5. The stream is impaired for one or more uses. TMDLs needed.
TN08010204	CAIN CREEK	Gibson	27.1	Alteration in stream-side	Nonirrigated Crop Production	This stream is Category 5.

020 – 0900				or littoral vegetative cover L Physical Substrate Habitat Alterations L Loss of biological integrity due to siltation L	Channelization	The stream is impaired for one or more uses. TMDLs needed.
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Draft Version 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 020 – 1000	NORTH FORK FORKED DEER RIVER	Gibson	10.9	Physical Substrate Habitat Alterations L Loss of biological integrity due to siltation L	Nonirrigated Crop Production Channelization	Category 5. The stream is impaired for one or more uses. TMDLs needed.
TN08010204 020 - 2000	NORTH FORK FORKED DEER RIVER	Gibson	8.2	Physical Substrate Habitat Alterations L	Channelization	Category 5. The stream is impaired for one or more uses. TMDL needed.
TN08010204 020 - 3000	NORTH FORK FORKED DEER RIVER	Gibson	9.7	Physical Substrate Habitat Alterations L Loss of biological integrity due to siltation L	Nonirrigated Crop Production Channelization	This stream is Category 5. The stream is impaired for one or more uses. TMDLs needed.
TN08010204 021 - 0100	DRY CREEK	Gibson	5.73	Alteration in stream-side or littoral vegetative cover L Physical Substrate Habitat Alterations L	Nonirrigated Crop Production Channelization	Category 5. The stream is impaired for one or more uses. TMDLs needed.
TN08010204 021 - 0200	COW CREEK	Gibson	11.8	Nitrate+Nitrite L Total Phosphorus L Physical Substrate Habitat Alterations L Loss of biological integrity due to siltation L	Municipal Point Source Nonirrigated Crop Production Channelization	This stream is Category 5. The stream is impaired for one or more uses. TMDLs needed.
TN08010204 021 - 1000	MUD CREEK	Gibson	33.56	Physical Substrate Habitat Alterations L	Channelization	Category 5. The stream is impaired for one or more uses. TMDL needed.
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. EPA approved a pathogen TMDL that addresses some of the known pollutants. TMDLs needed.
TN08010204 022 - 0200	UNNAMED TRIB TO DOAKVILLE CREEK	Dyer	2.68	Physical Substrate Habitat Alterations L	Channelization	Category 5. 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. Impaired, but EPA has approved a pathogen TMDL that addresses some of the known pollutants. Additional TMDLs needed.

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. Impaired, but EPA approved a pathogen TMDL that addresses some of the known pollutants. Additional TMDLs needed.
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. Impaired, but EPA approved a pathogen TMDL that addresses some of the known pollutants. TMDLs needed.

Draft Version 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 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. Impaired, but EPA has approved a pathogen TMDL that addresses some of the known pollutants. Additional TMDLs needed.
TN08010204 HUMBOLDT LK – 1000	HUMBOLDT LAKE	Crockett	87 ac	Nutrients L	Nonirrigated Crop Production Pasture Grazing	Category 5. The stream is impaired for one or more uses. 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 L Escherichia coli NA	Nonirrigated Crop Production Channelization Undetermined Pathogen Source	Category 5. EPA has approved a pathogen TMDL that addresses some of the known pollutants.
TN08010205 001 – 0300	CHAMBERS BRANCH	Lauderdale Dyer	8.7	Alteration in stream-side or littoral vegetative cover L	Nonirrigated Crop Production Channelization	Category 5. TMDLs needed.
TN08010205 001 – 1000	SOUTH FORK FORKED DEER RIVER	Lauderdale Dyer	15.6	Total Phosphorus M Loss of biological integrity due to siltation L Physical Substrate Habitat Alterations L Escherichia coli NA	Nonirrigated Crop Production Channelization Undetermined Pathogen Source	Category 5. Impaired, but EPA has approved a pathogen TMDL that addresses some of the known pollutants.
TN08010205 003 – 1000	SOUTH FORK FORKED DEER	Crockett Lauderdale	6.8	Total Phosphorus M Loss of biological integrity	Nonirrigated Crop Production Channelization	Category 5. Impaired, but EPA has approved a pathogen

	RIVER			due to siltation Physical Substrate Habitat Alterations Escherichia coli	L L NA	Undetermined Pathogen Source	TMDL that addresses some of the known pollutants.
TN08010205 005 -0100	LITTLE NIXON CREEK	Haywood	15.3	Total Phosphorus Loss of biological integrity due to siltation Physical Substrate Habitat Alterations Escherichia coli	M L L NA	Nonirrigated Crop Production Channelization Discharges from MS4 area	Category 5. Impaired, but EPA has approved a pathogen TMDL that addresses some of the known pollutants.

Draft Version 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 005 -0200	MERIDIAN CREEK	Haywood	36.29	Total Phosphorus Low Dissolved Oxygen Loss of biological integrity due to siltation Physical Substrate Habitat Alterations	M M L L	Discharges from MS4 area Nonirrigated Crop Production Channelization	Category 5. TMDLs needed.
TN08010205 005 -0210	BRIAR CREEK	Haywood	7.61	Physical Substrate Habitat Alterations	L	Channelization	Category 5. TMDLs needed.
TN08010205 005 -0300	POND CREEK	Haywood Lauderdale	45.2	Physical Substrate Habitat Alterations	L	Channelization	Category 5. 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. The stream is impaired for one or more uses.
TN08010205 005 -0400	LOST CREEK	Haywood Lauderdale	14.6	Physical Substrate Habitat Alterations	L	Channelization	Category 5. TMDL needed.
TN08010205 005 -1000	NIXON CREEK	Haywood	20.4	Loss of biological integrity due to siltation Total Phosphorus Physical Substrate Habitat Alterations Escherichia coli	L M L NA	Nonirrigated Crop Production Channelization Discharges from MS4 area	Category 5. Impaired, but EPA has approved a pathogen TMDL that addresses some of the known pollutants.
TN08010205 010 -0100	KAIL CREEK	Crockett Haywood	27.4	Physical Substrate Habitat Alterations	L	Channelization	Category 5. EPA approved a pathogen TMDL that addresses some of the known pollutants.
TN08010205 010 -0200	JACOBS CREEK	Haywood	25.9	Physical Substrate Habitat Alterations	L	Nonirrigated Crop Production Channelization	Category 5. The stream is impaired for one or more uses.
TN08010205 010 - 1000	SOUTH FORK FORKED DEER RIVER	Haywood Crockett	13.2	Total Phosphorus Loss of biological integrity due to siltation	M L	Municipal Point Source Nonirrigated Crop Production Channelization	Category 5. Impaired, but EPA has approved a pathogen TMDL that addresses some of

				Physical Substrate Habitat Alterations Escherichia coli	L NA	Undetermined Pathogen Source	the known pollutants.
TN08010205 011 – 1000	MUD CREEK	Haywood	42.9	Physical Substrate Habitat Alterations	L	Channelization	Stream is Category 5. (One or more uses impaired.)
TN08010205 012 - 0100	PEARSONS CREEK	Crockett	13.9	Loss of biological integrity due to siltation Physical Substrate Habitat Alterations	L L	Nonirrigated Crop Production Channelization	Category 5. TMDLs needed.

-Draft Version 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 012 – 0400	SANDY CREEK	Madison	4.3	Loss of biological integrity due to siltation Physical Substrate Habitat Alterations Escherichia coli	L L NA	Discharges from MS4 area Channelization	Category 5. Impaired, but EPA has approved a pathogen TMDL that addresses some of the known pollutants.
TN08010205 012 – 0500	CENTRAL CREEK	Madison	2.02	Physical Substrate Habitat Alterations Escherichia coli	L NA	Discharges from MS4 area Channelization	Category 5. EPA approved a pathogen TMDL that addresses some of the known pollutants.
TN08010205 012 – 0600	ANDERSON BRANCH	Madison	5.2	Alteration in stream-side or littoral vegetative cover Escherichia coli	L NA	Collection System Failure Discharges from MS4 Area	Category 5. Impaired, but EPA has approved a pathogen TMDL that addresses some of the known pollutants.
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. Impaired, but EPA has approved a pathogen TMDL that addresses some of the known pollutants.
TN08010205 012 - 0900	HICKS CREEK	Madison	28.5	Loss of biological integrity due to siltation	L	Sand/Rock/Gravel Mining	Stream is Category 5. (One or more uses impaired.)
TN08010205 012 – 1000	SOUTH FORK FORKED DEER RIVER	Crockett Madison	21.6	Total Phosphorus Loss of biological integrity due to siltation Physical Substrate Habitat Alterations Escherichia coli	M L L NA	Discharges from MS4 area Nonirrigated Crop Production Dredge Mining Sand/Rock/Gravel Mining Land Development Channelization	Category 5. The stream is impaired for one or more uses; however EPA has approved a pathogen TMDL that addresses some of the known pollutants.
TN08010205 012 - 1100	JOHNSON CREEK	Madison	44.2	Loss of biological integrity due to siltation Physical Substrate Habitat Alterations	L L	Nonirrigated Crop Production Channelization	This stream is Category 5. The stream is impaired for one or more uses.
TN08010205 012 - 1200	CUB CREEK	Madison	2.07	Alteration in stream-side or littoral vegetative cover Physical Substrate Habitat	L	Animal Feeding Operations (NPS) Pasture Grazing	Category 4A. Impaired, but EPA has approved a pathogen TMDL that addresses the

				Alterations Escherichia coli	L NA	Channelization	known pollutants.
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.
TN08010205 017 - 2000	MERIDIAN CREEK	Madison	0.73	Flow Alteration	NA	Upstream Impoundment	Category 4c. Impacts not caused by 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. TMDLs needed.

Draft Version 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 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. TMDL needed.
TN08010205 031 - 0100	LICK CREEK	Crockett	6.6	Physical Substrate Habitat Alterations	L	Channelization	Category 5. TMDL needed.
TN08010205 031 - 0200	BEAR CREEK	Crockett	6.4	Physical Substrate Habitat Alterations	L	Channelization	Category 5. TMDL needed.
TN08010205 031 - 1000	BLACK CREEK	Crockett	12.9	Total Phosphorus Nitrate+Nitrite Low Dissolved Oxygen Physical Substrate Habitat Alterations Loss of biological integrity due to siltation Escherichia coli	M M L L L L NA	Pasture Grazing Nonirrigated Crop Production Channelization	Category 5. Impaired, but EPA approved a pathogen TMDL that addresses some of the known pollutants.
TN08010205 036 - 0100	TISDALE CREEK	Lauderdale	12.14	Alteration in stream-side or littoral vegetative cover Loss of biological integrity due to siltation	L L	Nonirrigated Crop Production	Category 5. TMDL needed.
TN08010205 036 - 0110	UNNAMED TRIB TO TISDALE CREEK	Lauderdale	2.89	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 NA	Nonirrigated Crop Production Channelization Pasture Grazing	Category 5. EPA has approved a pathogen TMDL that addresses some of the known pollutants.
TN08010205 036 - 0200	SUMROW CREEK	Lauderdale	9.64	Alteration in stream-side or littoral vegetative cover	L	Nonirrigated Crop Production Channelization	Stream is Category 5. (One or more uses impaired.)

				Loss of biological integrity due to siltation	L		
TN08010205 036 - 1000	HALLS CREEK	Lauderdale	15.77	Total Phosphorus	M	Nonirrigated Crop Production	Category 5. EPA approved a siltation TMDL that addresses some of the known pollutants.
				Alteration in stream-side or littoral vegetative cover	L	Channelization	
				Physical Substrate Habitat Alterations	L	Undetermined Pathogen Source	
				Escherichia coli	NA		
TN08010206 001 - 1000	FORKED DEER RIVER	Dyer Lauderdale	14.9	Loss of biological integrity due to siltation	L	Channelization	This stream is Category 5. The stream is impaired for one or more uses.
				Physical Substrate Habitat Alterations	L		

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 CREEK	Hardeman	8.82	pH	L Undetermined Source	Stream is Category 5. (One or more uses impaired.)
TN08010207 031 - 1000	CYPRESS CREEK	McNairy	16.7	Loss of biological integrity due to siltation	L Nonirrigated Crop Production Channelization	Stream is Category 5. (One or more uses impaired.)
TN08010207 031 - 1300	CROOKED CREEK	McNairy	16.7	Alteration in stream-side or littoral vegetative cover	L Pasture Grazing Channelization	Stream is Category 5. (One or more uses impaired.)
				Physical Substrate Habitat Alterations	L	
				Loss of biological integrity due to siltation	L	
TN08010207 031 - 1640	UNNAMED TRIB TO MUDDY CREEK	McNairy	3.2	Alteration in stream-side or littoral vegetative cover	L Nonirrigated Crop Production	Former reference stream now degraded. Category 5. (One or more uses impaired.)
TN08010207 031 - 4000	CYPRESS CREEK	McNairy	9.2	Temperature Alterations	L Upstream Impoundment	Category 5. (One or more uses impaired.)
TN08010207 035 - 0600	ROSE CREEK	McNairy	10.9	Escherichia coli	H Animal Feeding Operations (NPS)	Category 5. (One or more uses impaired.)
TN08010207 044 - 1000	TUSCUMBIA RIVER	McNairy	8.9	Loss of biological integrity due to siltation	L Sources Outside of State	Channelization in Mississippi. Stream is Category 5. (One or more uses impaired.) EPA or Mississippi should do TMDL.
TN08010207 072 - 0200	TALLEY SPRING BRANCH	Hardeman	4.3	Alteration in stream-side or littoral vegetative cover	L Pasture Grazing	Stream is Category 5. (One or more uses impaired.)
TN08010208 001 - 0200	COPPER SPRINGS CREEK	Lauderdale	13.9	Total Phosphorus	M Nonirrigated Crop Production	Stream is Category 5. (One or more uses impaired.)
				Escherichia coli	H Pasture Grazing	
TN08010208 001 - 0300	ALSTON CREEK	Lauderdale	18.74	Low Dissolved Oxygen	L Municipal Point Source	Stream is Category 5. (One or more uses impaired.)
				Total Phosphorus	M	
				Escherichia coli	H	
TN08010208	UNNAMED TRIB TO	Lauderdale	21.41	Low Dissolved Oxygen	L Nonirrigated Crop Production	Stream is Category 5. (One or

001 -0400	HATCHIE RIVER			Total Phosphorus Escherichia coli	M H	Source Unknown	more uses impaired.)
TN08010208 001 -0600	DRY BRANCH	Hardeman Madison	4.6	Physical Substrate Habitat Alterations	L	Channelization	Stream is Category 5. (One or more uses impaired.)
TN08010208 001 -0800	WADE CREEK	Hardeman Chester	26.9	Loss of biological integrity due to siltation Physical Substrate Habitat Alterations	NA NA	Nonirrigated Crop Production Channelization	Category 4a. EPA approved siltation/habitat TMDLs that addresses the known pollutant.
TN08010208 001 -1110	UNNAMED TRIB TO CUB CREEK	Hardeman	4.16	Flow Alterations	L	Upstream Impoundment	Impounded Stream Study Site. Category 4c. (Impact not caused by a pollutant.)

-Draft Version 2016 303(d) LIST (Hatchie River Basin [continued](#))

Waterbody ID	Impacted Waterbody	County	Miles/Acres Impaired	CAUSE / TMDL Priority	Pollutant Source	COMMENTS
TN08010208 001 -1150	CUB CREEK	Hardeman	9.12	Flow Alteration Iron Alteration in stream-side or littoral vegetative cover Physical Substrate Habitat Alterations	L L L L	Upstream Impoundment Pasture Grazing Channelization Category 5, except for flow alteration which is Category 4a. (Impact not caused by a pollutant.)
TN08010208 001 -1550	SHORT CREEK	Hardeman	10.25	Physical Substrate Habitat Alterations	L	Channelization Stream is Category 5. (One or more uses impaired.)
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.
TN08010208 001 -1800	HICKORY CREEK	Hardeman	25.5	Loss of biological integrity due to siltation Physical substrate Habitat Alterations	L L	Nonirrigated Crop Production Channelization Stream is Category 5. (One or more uses impaired.)
TN08010208 002 -0500	MYRON CREEK	Tipton	11.8	Escherichia coli	H	Pasture Grazing Stream is Category 5. (One or more uses impaired.)
TN08010208 002 -0600	CANE BRANCH	Tipton	14.42	Escherichia coli	H	Urbanized High Density Area Stream is Category 5. (One or more uses impaired.)
TN08010208 002 -1000	INDIAN CREEK	Tipton	12.1	Total Phosphorus Physical Substrate Habitat Alterations Escherichia coli	M L H	Nonirrigated Crop Production Channelization Undetermined Source Stream is Category 5. (One or more uses impaired.)
TN08010208 007 -0200	CATRON CREEK	Fayette	17.2	Total Phosphorus Physical Substrate Habitat Alterations Alteration in stream-side or littoral vegetative cover Escherichia coli	M L L NA	Pasture Grazing Permitted Confined Concentrated Animal Feeding Operation Channelization Category 5. Approved pathogen TMDL addresses some of the known pollutants.
TN08010208	SMART CREEK	Fayette	11.9	Total Phosphorus	M	Nonirrigated Crop Production Category 5.

007 -0300				Low Dissolved Oxygen	L		
TN08010208 007 -0400	UNNAMED TRIB TO BIG MUDDY CREEK	Fayette	17.85	Alteration in stream-side or littoral vegetative cover Physical Substrate Habitat Alterations	L L	Nonirrigated Crop Production Irrigated Crop Production Channelization	Stream is Category 5. (One or more uses impaired.)
TN08010208 007 -0500	UNNAMED TRIB TO BIG MUDDY CREEK	Haywood	4.74	Total Phosphorus Physical Substrate Habitat Alterations	M L	Municipal Point Source Nonirrigated Crop Production Channelization	Stream is Category 5. (One or more uses impaired.)
TN08010208 007 -1000	BIG MUDDY CREEK	Haywood	7.5	Total Phosphorus Physical Substrate Habitat Alterations	M L	Municipal Point Source Nonirrigated Crop Production Channelization	Stream is Category 5. (One or more uses impaired.)

Draft Version 2016 303(d) LIST (Hatchie River Basin continued)

Waterbody ID	Impacted Waterbody	County	Miles/Acres Impaired	CAUSE / TMDL Priority	Pollutant Source	COMMENTS
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 M L	Nonirrigated Crop Production Channelization Stream is Category 5. (One or more uses impaired.)
TN08010208 009 -0100	LONDON CREEK	Haywood	6.9	Physical Substrate Habitat Alterations	L	Channelization Stream is Category 5. (One or more uses impaired.)
TN08010208 009 -0200	MORRIS BRANCH	Haywood	2.44	Alteration in stream-side or littoral vegetative cover	L	Nonirrigated Crop Production Stream is Category 5. (One or more uses impaired.)
TN08010208 009 - 0410	PRAIRIE CREEK	Haywood	4.7	Low Dissolved Oxygen Alteration in stream-side or littoral vegetative cover Total Phosphorus	L L M	Nonirrigated Crop Production Stream is Category 5. (One or more uses impaired.)
TN08010208 009 - 1000	POPLAR CREEK	Haywood Fayette	17.8	Loss of biological integrity due to siltation Alteration in stream-side or littoral vegetative cover Physical Substrate Habitat Alterations	NA L L	Nonirrigated Crop Production Channelization Stream is Category 5. EPA approved a siltation TMDL that addresses some of the known pollutants.
TN08010208 011 - 0100	LITTLE CREEK	Fayette Hardeman	23.6	Nitrate+Nitrite Total Phosphorus Alteration in stream-side or littoral vegetative cover	M M L	Pasture Grazing Nonirrigated Crop Production Stream is Category 5. (One or more uses impaired.)
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	M M L NA	Nonirrigated Crop Production Channelization Stream is Category 5. EPA approved a siltation/habitat TMDL that addresses some of the known pollutants.

				or littoral vegetative cover	NA		
TN08010208 015 - 0100	OAK DAIN CREEK	Hardeman	23.8	Flow Alterations	NA	Upstream Impoundment	Impounded Streams Study. Category 4C. (Impairment is not caused by a pollutant.)
TN08010208 024 - 0210	HUDSON BRANCH	Hardeman	2.52	Iron Flow Alterations	L NA	Upstream Impoundment	Randomly selected for Impounded Streams Study. Category 5, but 4C for flow alteration. (Impairment is not caused by a pollutant.)
TN08010208 027 - 2000	PINEY CREEK	Chester	4.15	Temperature Alterations Flow Alterations	L NA	Upstream Impoundment	Randomly selected for Impounded Streams Study. Category 5, but 4C for flow alteration.

Draft Version 2016 303(d) LIST (Hatchie River Basin continued)

Waterbody ID	Impacted Waterbody	County	Miles/Acres Impaired	CAUSE / TMDL Priority	Pollutant Source	COMMENTS	
TN08010208 028 - 0100	UNNAMED TRIB TO GRAYS CREEK	Hardeman	3.13	Flow Alterations	NA	Upstream Impoundment	Randomly selected for Impounded Streams Study. Category 4C. (Impairment is not caused by a pollutant.)
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 5. EPA approved a siltation/habitat TMDL that addresses some of the known pollutants.
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.
TN08010208 031 - 1000	SUGAR CREEK	Haywood	10.5	Loss of biological integrity due to siltation Escherichia coli	NA H	Nonirrigated Crop Production Discharges from MS4 area Highway/Bridge Construction Collection System Failure	Brownsville area impacts. Category 4a. EPA approved a siltation TMDL that addresses some of the known pollutants.
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. EPA approved a siltation TMDL that addresses some of the known pollutants.
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 M M NA NA H	Nonirrigated Crop Production Pasture Grazing	Stream is Category 5. EPA approved a siltation/habitat TMDL that addresses some of the known pollutants.
TN08010208	LAGOON CREEK	Lauderdale	19.3	Low dissolved oxygen	L	Undetermined Source	Stream is Category 5. (One or

033 - 1000		Haywood					more uses impaired.)
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.
TN08010208 034 - 0200	NELSON CREEK	Lauderdale	10.6	Physical Substrate Habitat Alterations	M	Channelization	Stream is Category 5. One or more uses impaired.
TN08010208 034 - 0300	HYDE CREEK	Lauderdale	20.54	Escherichia coli Loss of biological integrity due to siltation Physical Substrate Habitat Alteration	NA NA L	Collection System Failure Nonirrigated Crop Production Channelization Urbanized High Density Area	Category 5. EPA approved pathogen and siltation TMDLs that address some of the known pollutants.
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	Stream is Category 5. EPA has approved a copper TMDL for this segment. (Copper no longer a pollutant of concern)

Draft Version 2016 303(d) LIST (Hatchie River Basin continued)

Waterbody ID	Impacted Waterbody	County	Miles/Acres Impaired	CAUSE / TMDL Priority	Pollutant Source	COMMENTS	
TN08010208 034 - 2000	CANE CREEK	Lauderdale	6.66	Total Phosphorus Physical Substrate Habitat Alterations Escherichia coli	M L NA	Nonirrigated Crop Production Channelization Collection System Failure	Stream is Category 5. EPA approved a pathogen TMDL that addresses some of the known pollutants.
TN08010208 034 - 3000	CANE CREEK	Lauderdale	4.6	Physical Substrate Habitat Alterations Escherichia coli	M NA	Channelization Collection System Failure	Category 5. EPA approved a pathogen TMDL that addresses some of the known pollutants.
TN08010208 056 - 1000	FLAT CREEK	Tipton	8.1	Total Phosphorus Loss of biological integrity due to siltation Physical Substrate Habitat Alterations Escherichia coli	M NA NA NA	Nonirrigated Crop Production Channelization Pasture Grazing	Category 5. EPA approved pathogen and siltation/habitat TMDLs that address some of the known pollutants.
TN08010208 062 - 1000	JEFFERS CREEK	Haywood Madison	10.8	Loss of biological integrity due to siltation Physical Substrate Habitat Alteration	NA L	Nonirrigated Crop Production Channelization	Category 5. EPA approved a siltation TMDL that addresses the known pollutants.
TN08010208 065 - 1000	MATHIS CREEK	Tipton	11.3	Alteration in stream-side or littoral vegetative cover Physical Substrate Habitat Alteration Total Phosphorus Loss of biological integrity due to siltation Escherichia coli	L NA M NA H	Nonirrigated Crop Production Channelization Pasture Grazing	Stream is Category 5. EPA approved a siltation/habitat TMDL that addresses some of the known pollutants.

TN08010208 066 - 0100	PUGH CREEK	Hardeman	4.8	Alteration in stream-side or littoral vegetative cover Physical Substrate Habitat Alterations	L L	Pasture Grazing Channelization	Category 5. EPA approved a siltation TMDL that addresses some of the known pollutants.
TN08010208 072 - 1000	RICHLAND CREEK	Haywood Hardeman	11.0	Loss of biological integrity due to siltation Physical Substrate Habitat Alterations	NA NA	Nonirrigated Crop Production	Category 4a. EPA approved a siltation/habitat TMDL that addresses the known pollutants.
TN08010208 073 - 1000	RICHLAND CREEK	Tipton	11.0	Low Dissolved Oxygen Total Phosphorus Loss of biological integrity due to siltation Physical Substrate Habitat Alterations Escherichia coli	L M NA NA NA	Nonirrigated Crop Production Channelization Pasture Grazing	Category 5. EPA approved pathogen and siltation/habitat TMDLs that address some of the known pollutants.

Draft Version 2016 303(d) LIST (Hatchie River Basin continued)

Waterbody ID	Impacted Waterbody	County	Miles/Acres Impaired	CAUSE / TMDL Priority	Pollutant Source	COMMENTS	
TN08010208 896 - 1000	TOWN CREEK	Tipton	11.3	Low Dissolved Oxygen Total Phosphorus Loss of biological integrity due to siltation Physical Substrate Habitat Alterations Escherichia coli	L M L L H	Undetermined Source Nonirrigated Crop Production Urbanized High Density Area Channelization	Stream is Category 5. (One or more uses impaired.)
TN08010208 1866 - 1000	CARTER CREEK	Haywood	6.4	Physical Substrate Habitat Alterations Alteration in stream-side or littoral vegetative cover Escherichia coli	L L H	Nonirrigated Crop Production Channelization Source Unknown	Stream is Category 5. (One or more uses impaired.)

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 Physical substrate Habitat Alterations Total Phosphorus Escherichia coli	L L M NA	Discharges from MS4 area Channelization Collection System Failure	Category 5, impaired for one or more uses, however EPA has approved a pathogen TMDL that addresses some of the known pollutants.
TN08010209 001 - 1000	LOOSAHATCHIE RIVER	Shelby	7.8	Mercury PCBs Dioxins Chlordane	L NA NA NA	Atmospheric Deposition Discharges from MS4 area Contaminated Sediment Channelization	Fishing advisory originally due to chlordane. Category 5. EPA approved PCB, dioxin, chlordane and pathogen

				Loss of biological integrity due to siltation Physical Substrate Habitat Alterations Total Phosphorus Escherichia coli	L L M NA		TMDLs that address some of the known pollutants. EPA should take the lead on TMDLs involving atmospheric mercury deposition.
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.
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.

Draft Version 2016 303(d) LIST (Loosahatchie River Basin [continued](#))

Waterbody ID	Impacted Waterbody	County	Miles/Acres Impaired	CAUSE / TMDL Priority	Pollutant Source	COMMENTS
TN08010209 002 - 0300	SCOTTS CREEK	Shelby	7.2	Flow Alterations	NA Upstream Impoundment	Category 4C. Impact not caused by a pollutant.
TN08010209 002 - 0400	OLIVER CREEK	Shelby	7.4	Total Phosphorus Loss of biological integrity due to siltation Escherichia coli	M L NA Discharges from MS4 area Land Development	Category 5. EPA approved a pathogen TMDL that addresses one of the known pollutants. Additional TMDLs needed.
TN08010209 002 - 0500	BUCKHEAD CREEK	Shelby	14.59	Total Phosphorus Low Dissolved Oxygen Loss of biological integrity due to siltation Escherichia coli	M L L NA Discharges from MS4 area Land Development	Category 5. EPA approved a pathogen TMDL that addresses one of the known pollutants. Additional TMDLs needed.
TN08010209 002 - 0700	HOWARD CREEK	Shelby	7.21	Total Phosphorus Escherichia coli	M NA Discharges from MS4 area	Category 5. EPA approved a pathogen TMDL that addresses one of the known pollutants. Additional TMDL needed.
TN08010209 002 - 1000	LOOSAHATCHIE RIVER	Shelby	10.3	Mercury Chlordane PCBs Dioxin Total Phosphorus Loss of biological integrity due to siltation Physical Substrate Habitat Alterations Escherichia coli	L NA NA NA M L L NA Atmospheric Deposition Contaminated Sediment Discharges from MS4 area Land Development Channelization	Category 5. EPA approved PCB, dioxin, chlordane and pathogen TMDLs that address some of the known pollutants. EPA should take the lead on TMDLs involving atmospheric mercury deposition. Additional TMDLs needed.
TN08010209 002 - 2000	LOOSAHATCHIE RIVER	Shelby	8.2	Total Phosphorus Physical Substrate Habitat	M Discharges from MS4 area	Category 5. The stream is impaired for one or more uses,

				Alterations Loss of biological integrity due to siltation Escherichia coli	L L NA	Land Development Channelization	however EPA has approved a pathogen TMDL that addresses some of the known pollutants. Additional TMDLs needed.
TN08010209 003 - 0100	HALL CREEK	Shelby	8.09	Physical Substrate Habitat Alterations Escherichia coli	L 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 Physical Substrate Habitat Alterations Loss of biological integrity due to siltation Escherichia coli	M L L NA	Pasture Grazing Channelization	Category 5. Impaired for one or more uses, however EPA has approved a pathogen TMDL that addresses some of the known pollutants. Additional TMDLs needed.
TN08010209 003 - 0210	UNNAMED TRIB TO CYPRESS CREEK	Shelby	?	Physical Substrate Habitat Alterations	L	Channelization	Category 5. Impaired for one or more uses. TMDL needed.
TN08010209 003 - 0220	UNNAMED TRIB TO CYPRESS CREEK	Shelby	?	Physical Substrate Habitat Alterations	L	Channelization	Category 5. Impaired for one or more uses. TMDL needed.
TN08010209 003 - 1000	CLEAR CREEK	Shelby	2.67	Total Phosphorus Physical Substrate Habitat Alterations Loss of biological integrity due to siltation Escherichia coli	M L L NA	Pasture Grazing Channelization	Category 5. Impaired for one or more uses, however EPA has approved a pathogen TMDL that addresses some of the known pollutants. Additional TMDLs needed.

Draft Version 2016 303(d) LIST (Loosahatchie River Basin continued)

Waterbody ID	Impacted Waterbody	County	Miles/Acres Impaired	CAUSE / TMDL Priority	Pollutant Source	COMMENTS	
TN08010209 004 – 0100	BLACK ANKLE CREEK	Fayette	27.0	Low Dissolved Oxygen Total Phosphorus Loss of biological integrity due to siltation Escherichia coli	L M L NA	Nonirrigated Crop Production Land Development Pasture Grazing Undetermined Source	Stream is Category 5. . EPA approved a pathogen TMDL that addresses one of the known pollutants. Additional TMDLs needed.
TN08010209 004 – 1000	LOOSAHATCHIE RIVER	Shelby Fayette	10.0	Physical Substrate Habitat Alterations	L	Channelization	Stream is Category 5. (One or more uses impaired.) TMDL needed.
TN08010209 007 – 1000	LOOSAHATCHIE RIVER	Fayette	9.6	Physical Substrate Habitat Alterations Escherichia coli	L NA	Channelization Municipal Point Source Undetermined Source	Category 5. EPA approved a pathogen TMDL that addresses one of the known pollutants. Additional TMDLs needed.
TN08010209 008 – 1000	UNNAMED TRIB TO LOOSAHATCHIE RIVER TREADVILLE BOTTOM	Fayette	32.16	Escherichia coli	NA	Pasture Grazing Undetermined Source	Category 4a. EPA approved a pathogen TMDL that addresses the known pollutant.

TN08010209 010 – 1000	JONES CREEK	Fayette	36.9	Physical Substrate Habitat Alteration Loss of biological integrity due to siltation Escherichia coli	L L NA	Nonirrigated Crop Production Undetermined Source	Category 5. EPA approved a pathogen TMDL that addresses one of the known pollutants. Additional TMDLs needed.
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	Stream is Category 5. (One or more uses impaired.) TMDL needed.
TN08010209 011 – 2000	LOOSAHATCHIE RIVER	Fayette	14.1	Physical Substrate Habitat Alterations	L	Channelization	Stream is Category 5. (One or more uses impaired.) TMDL needed.
TN08010209 012 - 1000	BENNETT CREEK	Fayette	19.91	Physical Substrate Habitat Alterations Alteration in stream-side or littoral vegetative cover	L L	Nonirrigated Crop Production Channelization	Category 5. One or more uses impaired. TMDLs needed.
TN08010209 014 – 1000	LAUREL CREEK	Fayette	38.2	Total Phosphorus Low Dissolved Oxygen Physical Substrate Habitat Alterations Loss of biological integrity due to siltation Escherichia coli	M L L L NA	Nonirrigated Crop Production Channelization Undetermined Source	Category 5. EPA approved a pathogen TMDL that addresses one of the known pollutants. Additional TMDLs needed.
TN08010209 015 – 1000	LITTLE CYPRESS CREEK	Fayette	17.14	Total Phosphorus Low Dissolved Oxygen Physical Substrate Habitat Alterations	M L L	Nonirrigated Crop Production Channelization	This stream is Category 5. The stream is impaired for one or more uses. TMDL needed.
TN08010209 016 – 0100	WEST BEAVER CREEK	Shelby Tipton	30.95	Low Dissolved Oxygen Total Phosphorus Loss of biological integrity due to siltation Physical Substrate Habitat Alterations	L M L L	Nonirrigated Crop Production Channelization	This stream is Category 5. The stream is impaired for one or more uses. TMDL needed.

Draft Version 2016 303(d) LIST (Loosahatchie River Basin [continued](#))

Waterbody ID	Impacted Waterbody	County	Miles/Acres Impaired	CAUSE / TMDL Priority	Pollutant Source	COMMENTS
TN08010209 016 – 0200	MIDDLE BEAVER CREEK	Tipton	65.37	Low Dissolved Oxygen Total Phosphorus Loss of biological integrity due to siltation Physical Substrate Habitat Alterations	L M L L	Nonirrigated Crop Production Channelization This stream is Category 5. The stream is impaired for one or more uses. TMDL needed.

TN08010209 016 – 0210	KELLY BRANCHCREEK	Tipton	16.67	Escherichia coli	NA	Pasture Grazing	Category 4a. EPA approved a pathogen TMDL that addresses the known pollutant.
TN08010209 016 – 0300	EAST BEAVER CREEK	Tipton Fayette	65.9684.5	Low Dissolved Oxygen Nitrate+Nitrite Total Phosphorus Loss of biological integrity due to siltation Physical Substrate Habitat Alterations	L M M L L	Nonirrigated Crop Production Municipal Point Source	This stream is Category 5. The stream is impaired for one or more uses. TMDLs needed.
TN08010209 016 – 0310	BAXTER BOTTOM	Tipton	37.99	Physical Substrate Habitat Alterations	L	Channelization	Category 5. The stream is impaired for one or more uses. TMDL needed.
TN08010209 016 – 1000	BEAVER CREEK	Shelby Fayette	30.38	Total Phosphorus Low Dissolved Oxygen Loss of biological integrity due to siltation Physical Substrate Habitat Alterations	M L L L	Nonirrigated Crop Production Channelization	Category 5. The stream is impaired for one or more uses. TMDL needed.
TN08010209 021 – 0100	JAKES CREEK	Shelby	22.8	Total Phosphorus Loss of biological integrity due to siltation Escherichia coli	M L NA	Nonirrigated Crop Production Undetermined Source	Category 5. EPA approved a pathogen TMDL that addresses one of the known pollutants. Additional TMDLs needed.
TN08010209 021 – 0110	BEAR CREEK	Shelby Tipton	14.5	Total Phosphorus Low Dissolved Oxygen Escherichia coli	M L NA	Nonirrigated Crop Production Pasture Grazing	Category 5. EPA approved a pathogen TMDL that addresses one of the known pollutants. Additional TMDLs needed.
TN08010209 021 – 0200	ROYSTER CREEK	Shelby Tipton	37.4	Total Phosphorus Low Dissolved Oxygen Physical Substrate Habitat Alterations Loss of biological integrity due to siltation Escherichia coli	M L L L NA	Nonirrigated Crop Production Channelization Pasture Grazing	Category 5. EPA approved a pathogen TMDL that addresses one of the known pollutants. Additional TMDLs needed.

[Draft Version 2016 303\(d\) LIST \(Loosahatchie River Basin \[continued\]\(#\)\)](#)

Waterbody ID	Impacted Waterbody	County	Miles/Acres Impaired	CAUSE / TMDL Priority	Pollutant Source	COMMENTS	
TN08010209 021 – 0300	NORTH FORK CREEK	Shelby Tipton	37.6	Total Phosphorus Low Dissolved Oxygen Physical Substrate Habitat Alteration Loss of biological integrity	M L L	Nonirrigated Crop Production Channelization Discharges from MS4 area	Category 5. EPA approved a pathogen TMDL that addresses one of the known pollutants. Additional TMDLs needed.

				due to siltation Escherichia coli	L NA		
TN08010209 021 – 0600	CROOKED CREEK CANAL	Shelby	31.21	Total Phosphorus Low Dissolved Oxygen Physical Substrate Habitat Alteration Escherichia coli	M L L NA	Nonirrigated Crop Production Channelization On-site Treatment System Discharges from MS4 area	Category 5. EPA approved a pathogen TMDL that addresses one of the known pollutants. Additional TMDLs needed.
TN08010209 021 - 0610	UNNAMED TRIB TO CROOKED CREEK CANAL	Shelby	2.62	Escherichia coli	NA	On-site Treatment System	Category 4a. EPA approved a pathogen TMDL that addresses the known pollutant. on 7/27/2011.
TN08010209 021 – 1000	BIG CREEK	Shelby	8.33	Low Dissolved Oxygen Nitrate + Nitrite Total Phosphorus Physical Substrate Habitat Alteration Loss of biological integrity due to siltation Escherichia coli	L M M L L NA	Discharges from MS4 area Municipal Point Source Channelization	Category 5. The stream is impaired for one or more uses, however EPA has approved a pathogen TMDL that addresses some of the known pollutants. Additional TMDLs needed.
TN08010209 021 – 2000	BIG CREEK	Shelby	6.25	Low Dissolved Oxygen Total Phosphorus Physical Substrate Habitat Alteration Loss of biological integrity due to siltation Escherichia coli	L M L L NA	Discharges from MS4 area Channelization	Category 5. The stream is impaired for one or more uses, however EPA has approved a pathogen TMDL that addresses some of the known pollutants. Additional TMDLs needed.
TN08010209 021 – 3000	BIG CREEK	Shelby Tipton	27.75	Total Phosphorus Low Dissolved Oxygen Physical Substrate Habitat Alteration Loss of biological integrity due to siltation Escherichia coli	M L L L NA	Nonirrigated Crop Production Channelization Discharges from MS4 area	Category 5. EPA approved a pathogen TMDL that addresses one of the known pollutants. Additional TMDLs needed.
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.

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

Waterbody ID	Impacted Waterbody	County	Miles/Acres Impaired	CAUSE / TMDL Priority	Pollutant Source	COMMENTS
TN08010210 001 – 0100	HARRINGTON CREEK	Shelby	16.5	Arsenic Total Phosphorus Low dissolved oxygen Escherichia coli	NA M L NA	Discharges from MS4 area Category 5. Impaired, but EPA has approved a pathogen and metals TMDLs that addresses some of the known pollutants. Additional TMDLs

						needed.
TN08010210 001 – 0200	HARRISON CREEK	Shelby	4.6	Physical Substrate Habitat Alteration Escherichia coli	L NA	Discharges from MS4 area Category 5. EPA approved a pathogen TMDL that addresses some of the known pollutants. Additional TMDL needed.
TN08010210 001 - 0300	WORKHOUSE BAYOU	Shelby	3.7	Physical Substrate Habitat Alteration Alteration in stream-side or littoral vegetative cover Total Phosphorus Escherichia coli Low dissolved oxygen	L L M NA L	Discharges from MS4 area Category 5. Impaired, but EPA has approved a pathogen TMDL that addresses some of the known pollutants. Additional TMDLs needed.
TN08010210 001 – 1000	WOLF RIVER	Shelby	12.8	Total Phosphorus Mercury Lead Chlordane PCBs Dioxin Loss of biological integrity due to siltation Escherichia coli	M L NA NA NA L NA	Atmospheric Deposition Discharges from MS4 area RCRA Hazardous Waste Site Channelization Contaminated sediments Fishing advisory. Category 5. EPA approved lead, PCB, chlordane, dioxin, and pathogen TMDLs that address some of the known pollutants. EPA should take the lead on TMDLs involving atmospheric mercury deposition. Additional TMDLs needed.
TN08010210 002 – 0100	SWEETBRIAR CREEK	Shelby	2.5	Physical Substrate Habitat Alterations	L	Channelization Stream is Category 5. (One or more uses impaired.) Additional TMDLs needed.
TN08010210 002 0200	WHITE STATION CREEK	Shelby	4.6	Physical Substrate Habitat Alterations	L	Discharges from MS4 area Category 5. TMDL needed.
TN08010210 002 – 1000	WOLF RIVER	Shelby	6.3	Mercury Chlordane PCBs Dioxin Loss of biological integrity due to siltation	L NA NA NA L	Atmospheric Deposition Contaminated Sediments Channelization Discharges from MS4 area Fishing advisory. Category 5. EPA approved PCB, dioxin, and chlordane TMDLs that address some of the known pollutants. EPA should take the lead on TMDLs involving atmospheric mercury deposition- TMDLs needed.
TN08010210 002 – 2000	WOLF RIVER	Shelby	3.8	Loss of biological integrity due to siltation	L	Channelization Discharges from MS4 area Category 5. 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 4A. EPA approved a pathogen TMDL that addresses the known pollutant. Category 5. TMDL needed.
TN08010210 004 – 0400	UNNAMED TRIB TO WOLF RIVER	Fayette	12.0	Total Phosphorus Escherichia coli Loss of biological integrity due to siltation	M NA L	Pasture Grazing Construction Stormwater Discharges (Permitted) Category 4A. EPA approved a pathogen TMDL that addresses the known pollutant. TMDL needed.

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

Waterbody ID	Impacted Waterbody	County	Miles/Acres Impaired	CAUSE / TMDL Priority	Pollutant Source	COMMENTS
TN08010210 004 – 0410	UNNAMED TRIB TO THE UNNAMED TRIB TO WOLF RIVER	Fayette	11.6	Alteration in stream-side or littoral vegetative cover L <u>Loss of biological integrity due to siltation</u> L	<u>Pasture Grazing</u> <u>Nonirrigated Crop Production</u> <u>Construction Stormwater</u> <u>Discharges (Permitted)</u>	Category 4A5. <u>TMDLs needed.</u> <u>EPA approved a pathogen</u> <u>TMDL that addresses the</u> <u>known pollutant.</u>
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 <u>On-site Treatment System</u> <u>On-site Treatment System</u>	Category 4Aa. EPA approved a pathogen TMDL that addresses the known pollutant. <u>Additional TMDLs needed.</u>
TN08010210 005 - 0100	TEAGUE BRANCH	Fayette	17.0	Physical Substrate Habitat Alterations L Escherichia coli NA	Pasture Grazing	This stream is Category 5. The stream is impaired for one or more uses. <u>TMDL needed.</u>
TN08010210 005 - 0200	STOUT CREEK	Fayette	6.7	Physical Substrate Habitat Alterations L <u>Low dissolved oxygen</u> L	Pasture Grazing Channelization	Stream is Category 5. (One or more uses impaired.) <u>TMDL needed.</u>
TN08010210 005 - 1000	GRISSUM CREEK	Fayette	17.9	Physical Substrate Habitat Alterations L <u>Low dissolved oxygen</u> L <u>Low dissolved oxygen</u> L Escherichia coli NA	<u>Pasture Grazing</u> Channelization	Category 5. EPA approved a pathogen TMDL that addresses some of the known pollutants. <u>TMDL needed.</u>
TN08010210 019 - 0300	MOODY CREEK	Hardeman	3.1	Flow Alteration NA	Upstream Impoundment	Poor quality releases from Indian Creek Lake #8. Category 4c. Impact not caused by a pollutant.
TN08010210 020 – 0400	MCKINNIE CREEK	Fayette Hardeman	35.1	Low Dissolved Oxygen L Escherichia coli NA	Pasture Grazing	Category 5. Approved pathogen TMDL addresses some of the known pollutants.
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.
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.
TN08010210 021 – 0100	ALEXANDER CREEK	Fayette	21.8	Low Dissolved Oxygen L	Pasture Grazing	Category 5. Approved pathogen TMDL addresses some of the known pollutants. <u>TMDL needed.</u>
TN08010210 021 - 1000	SHAWS CREEK	Fayette	20.1	Low dissolved oxygen L Escherichia coli NA	Undetermined Source Pasture Grazing	Category 5. Approved pathogen TMDL addresses some of the known pollutants. <u>TMDL needed.</u>

Draft Version 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 M Low Dissolved Oxygen L Escherichia coli NA	Discharges from MS4 area	Category 5. Impaired, but EPA approved a pathogen TMDL that addresses some of the known pollutants. TMDL needed.
TN08010210 022 - 0300	MARYS CREEK	Shelby	17.4	Loss of biological integrity due to siltation L Total Phosphorus M Low dissolved oxygen L Escherichia coli NA	Discharges from MS4 Area Upstream Impoundment Pasture Grazing	Category 5. Impaired, but EPA approved a pathogen TMDL that addresses some of the known pollutants. TMDL needed.
TN08010210 022 - 0350	MARYS CREEK	Shelby Fayette	2.5	Flow Alteration NA Escherichia coli NA	Upstream Impoundment Pasture Grazing	Mary's Creek impacted below Herb Parson's Lake. Category 4Aa . EPA approved a pathogen TMDL that addresses the known pollutant. Flow alteration is 4c.
TN08010210 022 - 1000	GRAYS CREEK	Shelby Fayette	15.8	Total Phosphorus M Low Dissolved Oxygen L Physical Substrate Habitat Alterations L Loss of biological integrity due to siltation L Escherichia coli HM	Discharges from MS4 Area Nonirrigated Crop Production Channelization	Stream is 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 4a5 . EPA approved a pathogen and metals TMDLs that addresses some of the known pollutants. Additional TMDLs needed.
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 M Escherichia coli NA	Discharges from MS4 area Pasture Grazing Livestock Feeding Operations	Category 5. EPA approved a pathogen TMDL that addresses some of the known pollutants. Additional TMDLs needed.
TN08010210 023 – 1000	FLETCHER CREEK	Shelby	10.7	Arsenic — H Low Dissolved Oxygen L Total Phosphorus M Physical Substrate Habitat Alterations L Escherichia coli NA	Pasture Grazing Discharges from MS4 area Channelization	Category 5. The stream is impaired for one or more uses, however EPA has approved a pathogen and metal TMDLs that addresses some of the known pollutants. Additional

[TMDLs needed.](#)

Draft Version 2016 303(d) LIST (Wolf River Basin [continued](#))

Waterbody ID	Impacted Waterbody	County	Miles/Acres Impaired	CAUSE / TMDL Priority	Pollutant Source	COMMENTS
TN08010210 032 - 1000	CYPRESS CREEK	Shelby	8.6	PCBs L Aldrin L Dieldrin L Endrin L DDT L Chlordane L Lead H Low Dissolved Oxygen L Total Phosphorus L Physical Substrate Habitat Alterations L Escherichia coli NA	Contaminated Sediment L Collection System Failure L Discharges from MS4 area L Channelization L	Some sections of Cypress Creek concreted. Category 5. Impaired, but EPA approved a pathogen and metals TMDLs that addresses some of the known pollutants. Additional TMDLs needed.
TN08010210 032 - 2000	CYPRESS CREEK	Shelby	5.0	PCBs L Low Dissolved Oxygen L Total Phosphorus M Physical Substrate Habitat Alterations L Escherichia coli NA	Contaminated Sediment L Collection System Failure L Discharges from MS4 area M Channelization L	Most of upper Cypress Creek concreted. Category 5. Impaired, but EPA approved a pathogen TMDL that addresses some of the known pollutants. Additional TMDLs needed.

Nonconnah Creek Basin

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

Waterbody ID	Impacted Waterbody	County	Miles/Acres Impaired	CAUSE / TMDL Priority	Pollutant Source	COMMENTS
TN08010211 001 – 0100	HORN LAKE CUTOFF	Shelby	16.4	Low Dissolved Oxygen L Total Phosphorus M Loss of biological integrity due to siltation L	Nonirrigated Crop Production	This stream is Category 5. EPA approved a pathogen TMDL that addresses some of the known pollutants.
TN08010211 001 – 1000	HORN LAKE CREEK	Shelby	10.3	Physical Substrate Habitat Alterations L Escherichia coli NA	Channelization L Collection System Failure L	Category 5. EPA approved a pathogen TMDL that addresses some of the known pollutants.
TN08010211 001 – 2000	HORN LAKE CREEK	Shelby	5.2	Total Phosphorus M Low Dissolved Oxygen L Loss of biological integrity due to siltation L Escherichia coli NA	Sources Outside of State L Land Development L	Category 5. EPA approved a pathogen TMDL that addresses some of the known pollutants. TMDLs for pollution sources outside of Tennessee should be done by Mississippi or EPA.

-Draft Version 2016 303(d) LIST (Nonconnah Creek Watershed [continued](#))

Waterbody ID	Impacted Waterbody	County	Miles/Acres Impaired	CAUSE / TMDL Priority	Pollutant Source	COMMENTS
TN08010211 007 – 1000	CYPRESS CREEK	Shelby	18.2	Low Dissolved Oxygen L Total Phosphorus M Arsenic H Escherichia coli NA	Discharges from MS4 area Collection System Failure	Category 5. EPA approved a pathogen TMDL that addresses some of the known pollutants.
TN08010211 00711– 0200	CANE CREEK	Shelby	7.2	Low Dissolved Oxygen L Total Phosphorus M Physical Substrate Habitat Alteration L Escherichia coli NA	Discharges from MS4 area Channelization Collection System Failure	Category 5. Impaired for one or more uses, however EPA has approved a pathogen TMDL that addresses some of the known pollutants.
TN08010211 00711– 0300	BLACK BAYOU	Shelby	7.9	Total Phosphorus M Physical Substrate Habitat Alteration L Escherichia coli NA	Discharges from MS4 area Channelization	Category 5. Impaired, but EPA has approved a pathogen TMDL that addresses some of the known pollutants.
TN08010211 00711– 0400	TENMILE CREEK	Shelby	13.3	Low Dissolved Oxygen L Total Phosphorus M Physical Substrate Habitat Alteration L Escherichia coli NA	Discharges from MS4 area Channelization	Category 5. Impaired for one or more uses, however EPA has approved a pathogen TMDL that addresses some of the known pollutants.
TN08010211 00711– 0500	HURRICANE CREEK	Shelby	13.3	Low Dissolved Oxygen L Total Phosphorus M Other anthropogenic substrate alterations L Escherichia coli NA	Discharges from MS4 area Industrial Stormwater Discharge Channelization	Category 5. Impaired for one or more uses, however EPA has approved a pathogen TMDL that addresses some of the known pollutants.
TN08010211 00711– 0600	DAYS CREEK	Shelby	10.6	Total Phosphorus M Other anthropogenic substrate alterations L Escherichia coli NA	Discharges from MS4 area Channelization	Category 5. EPA approved a pathogen TMDL that addresses some of the known pollutants.
TN08010211 00711– 1000	NONCONNAH CREEK	Shelby	3.2	PCBs NA Dioxins NA Chlordane NA Total Phosphorus M 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	Fishing advisory. This stream is Category 5. EPA has approved a PCB, dioxin, chlordane, and pathogen TMDLs that address some of the known pollutants in this stream.
TN08010211 00711– 2000	NONCONNAH CREEK	Shelby	4.86	Total Phosphorus M Loss of biological integrity due to siltation L Physical Substrate Habitat Alterations M Escherichia coli NA	Discharges from MS4 area Channelization	This stream is Category 5. The stream is impaired for one or more uses, however EPA has approved a pathogen TMDL that addresses some of the known pollutants.

Draft Version 2016 303(d) LIST (Nonconnah Creek Watershed [continued](#))

Waterbody ID	Impacted Waterbody	County	Miles/Acres Impaired	CAUSE / TMDL Priority	Pollutant Source	COMMENTS
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. Impaired for one or more uses, however EPA has approved a pathogen TMDL that addresses some of the known pollutants.
TN08010211 00720- 0100	UNNAMED TRIB TO NONCONNAH CREEK	Shelby	3.91	Low Dissolved Oxygen L Total Phosphorus M Other Anthropogenic Habitat Alterations L Escherichia coli NA	Discharges from MS4 area	Category 5. EPA approved a pathogen TMDL that addresses some of the known pollutants.
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.
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	This stream is Category 5.
TN08010211 00720- 0400	UNNAMED TRIB TO NONCONNAH CREEK	Shelby	10.07	Total Phosphorus M Loss of biological integrity due to siltation L Escherichia coli NA	Sources Outside State Borders	Category 5. EPA approved a pathogen TMDL that addresses some of the known pollutants.
TN08010211 00720- 0410	UNNAMED TRIB TO THE UNNAMED TRIB TO NONCONNAH CREEK	Shelby	2.53	Low Dissolved Oxygen L Total Phosphorus M Loss of biological integrity due to siltation L Escherichia coli NA	Pasture Grazing Sources Outside State Borders	Category 5. EPA approved a pathogen TMDL that addresses some of the known pollutants.
TN08010211 00720- 0500	UNNAMED TRIB TO NONCONNAH CREEK	Shelby	8.93	Low Dissolved Oxygen L Total Phosphorus M Escherichia coli NA	Discharges from MS4 area	Category 5. EPA approved a pathogen TMDL that addresses some of the known pollutants.
TN08010211 00720- 1000	NONCONNAH CREEK	Shelby	8.3	Total Phosphorus M Loss of biological integrity due to siltation L Physical Substrate Habitat Alterations L Escherichia coli NA	Discharges from MS4 area Channelization	Category 5. EPA approved a pathogen TMDL that addresses some of the known pollutants.
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. EPA approved a pathogen TMDL that addresses some of the known pollutants.

-Draft Version 2016 303(d) LIST (Nonconnah Creek Watershed [continued](#))

Waterbody ID	Impacted Waterbody	County	Miles/Acres Impaired	CAUSE / TMDL Priority	Pollutant Source	COMMENTS
TN08010211 00720– 3000	NONCONNAH CREEK	Shelby Fayette	6.5	Total Phosphorus M Physical Substrate Habitat L Alterations	Discharges from MS4 area Nonirrigated Crop Production Channelization	Category 5. TMDLs needed.
TN08010211 176 – 1000	JOHN'S CREEK	Shelby	13.7	Total Phosphorus M Loss of biological integrity L due to siltation Other Anthropogenic Habitat L Alterations Escherichia coli NA	Discharges from MS4 area Channelization Collection System Failure	Category 5. EPA approved a pathogen TMDL that addresses some of the known pollutants.

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

<u>Waterbody ID</u>	<u>2014 Impacted Waterbody</u>	<u>County</u>	<u>Miles Impacted</u>	<u>2014 CAUSE (Pollutant)</u>	<u>2014 Pollutant Source</u>	<u>Reason For Delisting</u>
TN05130107004 – 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 Snow Creek has recovered and now meets criteria.
TN05130107016 – 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.
TN05130107023 – 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.
TN05130108001 – 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)

<u>Waterbody ID</u>	<u>2014 Impacted Waterbody</u>	<u>County</u>	<u>Miles Impacted</u>	<u>2014 CAUSE (Pollutant)</u>	<u>2014 Pollutant Source</u>	<u>Reason For Delisting</u>
TN05130108 024 – 4000	ROCKY RIVER	Van Buren Warren	17.0	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)

<u>Waterbody ID</u>	<u>2014 Impacted Waterbody</u>	<u>County</u>	<u>Miles Impacted</u>	<u>2014 CAUSE (Pollutant)</u>	<u>2014 Pollutant Source</u>	<u>Reason For Delisting</u>
<u>TN05130203 010 – 0100</u>	<u>ROCKY FORK CREEK</u>	<u>Rutherford</u>	<u>7.4</u>	<u>Siltation</u> <u>Riparian Alteration</u>	<u>Land Development</u>	<u>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.</u>
<u>TN05130203 018 - 3000</u>	<u>WEST FORK STONES RIVER</u>	<u>Rutherford</u>	<u>5.1</u>	<u>Siltation</u>	<u>Discharges from MS4 area</u>	<u>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.</u>
<u>TN05130203 025 –2000</u>	<u>CRIPPLE CREEK</u>	<u>Rutherford</u>	<u>5.4</u>	<u>Siltation</u>	<u>Pasture Grazing</u>	<u>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 2006 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.</u>
<u>TN06010102 012 – 0800</u>	<u>INDIAN CREEK</u>	<u>Sullivan</u>	<u>1.86</u>	<u>Riparian Alteration</u>	<u>Land Development</u>	<u>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.</u>

APPENDIX A (continued)

<u>Waterbody ID</u>	<u>2014 Impacted Waterbody</u>	<u>County</u>	<u>Miles Impacted</u>	<u>2014 CAUSE (Pollutant)</u>	<u>2014 Pollutant Source</u>	<u>Reason For Delisting</u>
TN060101020231.0-0200	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 downwind upwind John Sevier Power Plant has been converted to natural gas.
TN06010102042 - 0500	CEDAR CREEK	Sullivan	11.8	Nitrate+Nitrite Siltation Habitat Alterations	Discharges from MS4 Area Land Development	Cedar Creek was listed following a 1998 bioecon 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 (Groverville Grovedale Road) documented 8 EPT genera and 25 total genera. The stream will need to remain listed for pathogens.
TN06010102045 - 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.
TN06010102046 - 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.
TN06010107010 - 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 collect 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)

<u>Waterbody ID</u>	<u>2014 Impacted Waterbody</u>	<u>County</u>	<u>Miles Impacted</u>	<u>2014 CAUSE (Pollutant)</u>	<u>2014 Pollutant Source</u>	<u>Reason For Delisting</u>
<u>TN06010201026 – 0300</u>	<u>HOLLYBROOK BRANCH</u>	<u>Blount</u>	<u>2.78</u>	<u>Ammonia</u>	<u>Pasture Grazing</u>	<u>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.</u>
<u>TN06010201026 – 2000</u>	<u>LITTLE RIVER</u>	<u>Blount</u>	<u>17.63</u>	<u>Threatened, not impaired. The specific stressor was undetermined.</u>		<u>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.</u>
<u>TN06010201033 - 2000</u>	<u>ELLEJOY CREEK</u>	<u>Blount</u>	<u>5.37</u>	<u>Nitrate+Nitrite</u>	<u>Pasture Grazing</u>	<u>Ellejoy Creek was listed for NO2+NO3 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.</u>
<u>TN06010201034 - 0200</u>	<u>WILDWOOD BRANCH</u>	<u>Blount</u>	<u>6.26</u>	<u>Riparian Alteration</u>	<u>Pasture Grazing</u>	<u>In 2000, Wildwood Branch failed a bioecon 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.</u>
<u>TN06010201066 – 0200</u>	<u>TWIN CREEK (Twin Branch in previous 303(d) List)</u>	<u>Knox</u>	<u>1.87</u>	<u>Riparian Alteration</u> <u>Siltation</u>	<u>Pasture Grazing</u> <u>Discharges from MS4 area</u>	<u>In 2000, Twin Creek failed a bioecon 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.</u>
<u>TN06010201066 – 0500</u>	<u>McCALL BRANCH</u>	<u>Knox</u>	<u>1.73</u>	<u>Siltation</u>	<u>Discharges from MS4 area</u> <u>Streambank Modification</u>	<u>In 2004, McCall Branch failed a bioecon 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.</u>

APPENDIX A (continued)

<u>Waterbody ID</u>	<u>2014 Impacted Waterbody</u>	<u>County</u>	<u>Miles Impacted</u>	<u>2014 CAUSE (Pollutant)</u>	<u>2014 Pollutant Source</u>	<u>Reason For Delisting</u>
TN06010204001 - 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 advisory, which will stay in place for PCBs.
TN06010204042 – 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.
TN06010204043 – 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.
TN06010205COVELAKE 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)

<u>Waterbody ID</u>	<u>2014 Impacted Waterbody</u>	<u>County</u>	<u>Miles Impacted</u>	<u>2014 CAUSE (Pollutant)</u>	<u>2014 Pollutant Source</u>	<u>Reason For Delisting</u>
<u>TN06010207014 – 0100</u>	<u>WILLIAMS BRANCH</u>	<u>Knox</u>	<u>2.4</u>	<u>Siltation</u>	<u>Industrial Permitted Runoff</u>	<u>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.</u>
<u>TN06010207016 – 1000</u>	<u>HINDS CREEK</u>	<u>Anderson</u>	<u>6.7</u>	<u>Siltation</u> <u>Riparian Alteration</u>	<u>Pasture Grazing</u>	<u>Hinds Creek was listed for siltation and riparian alteration following a 1999 bioecon 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 bioecon 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.</u>
<u>TN06010207020 – 0400</u>	<u>INDIAN CREEK</u>	<u>Roane</u>	<u>6.8</u>	<u>Siltation</u> <u>Riparian Alteration</u>	<u>Channelization</u> <u>Pasture Grazing</u>	<u>Indian Creek was listed for siltation and riparian alteration following a 1999 bioecon that scored poorly (7). A follow-up bioecon 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.</u>
<u>TN06020001029 – 1000</u>	<u>SAVANNAH CREEK</u>	<u>Hamilton</u>	<u>15.0</u>	<u>Siltation</u> <u>Riparian Alteration</u> <u>Total Phosphorus</u>	<u>Pasture Grazing</u> <u>Nonirrigated Crop Production</u>	<u>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 bioecon 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.</u>

APPENDIX A (continued)

<u>Waterbody ID</u>	<u>2014 Impacted Waterbody</u>	<u>County</u>	<u>Miles Impacted</u>	<u>2014 CAUSE (Pollutant)</u>	<u>2014 Pollutant Source</u>	<u>Reason For Delisting</u>
TN06020001038 – 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.
TN06020001041 – 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.
TN06020001057 – 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.
TN06020001062 – 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)

<u>Waterbody ID</u>	<u>2014 Impacted Waterbody</u>	<u>County</u>	<u>Miles Impacted</u>	<u>2014 CAUSE (Pollutant)</u>	<u>2014 Pollutant Source</u>	<u>Reason For Delisting</u>
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 TRIBUTARY 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) indicated 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)

<u>Waterbody ID</u>	<u>2014 Impacted Waterbody</u>	<u>County</u>	<u>Miles Impacted</u>	<u>2014 CAUSE (Pollutant)</u>	<u>2014 Pollutant Source</u>	<u>Reason For Delisting</u>
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.

APPENDIX A (continued)

<u>Waterbody ID</u>	<u>2014 Impacted Waterbody</u>	<u>County</u>	<u>Miles Impacted</u>	<u>2014 CAUSE (Pollutant)</u>	<u>2014 Pollutant Source</u>	<u>Reason For Delisting</u>
TN06030003044 – 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.
TN06030004017 – 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.
TN06030004026_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 recovered and will need to remain listed for now.
TN06030004026_0115	ANDERSON CREEK	Giles	0.54	Siltation	Off-road Vehicles	See above rationale for the Unnamed Trib.

APPENDIX A (continued)

<u>Waterbody ID</u>	<u>2014 Impacted Waterbody</u>	<u>County</u>	<u>Miles Impacted</u>	<u>2014 CAUSE (Pollutant)</u>	<u>2014 Pollutant Source</u>	<u>Reason For Delisting</u>
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.
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.

APPENDIX A (continued)

<u>Waterbody ID</u>	<u>2014 Impacted Waterbody</u>	<u>County</u>	<u>Miles Impacted</u>	<u>2014 CAUSE (Pollutant)</u>	<u>2014 Pollutant Source</u>	<u>Reason For Delisting</u>
<u>TN06040003019 – 2000</u>	<u>BIG BIGBY CREEK</u>	<u>Maury</u>	<u>4.6</u>	<u>Nitrate+Nitrite</u> <u>Total Phosphorus</u>	<u>Municipal Point Source</u> <u>Pasture Grazing</u>	<u>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.</u>
<u>TN06040003027 – 1000</u>	<u>LITTLE BIGBY CREEK</u>	<u>Maury</u>	<u>18.77</u>	<u>Siltation</u>	<u>Discharges from MS4 area</u> <u>Pasture Grazing</u>	<u>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.</u>
<u>TN06040003034 – 3000</u>	<u>RUTHERFORD CREEK</u>	<u>Maury Williamso n</u>	<u>12.5</u>	<u>Siltation</u> <u>Nitrate+Nitrite</u> <u>Total Phosphorus</u>	<u>Pasture Grazing</u> <u>Discharge from MS4 area</u>	<u>The most upstream segment of Rutherford Creek was listed following bioecon 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.</u>
<u>TN06040004007 – 2000</u>	<u>GREEN RIVER</u>	<u>Wayne</u>	<u>2.65</u>	<u>Solids</u>	<u>Municipal Point Source</u>	<u>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.</u>

APPENDIX A (continued)

<u>Waterbody ID</u>	<u>2014 Impacted Waterbody</u>	<u>County</u>	<u>Miles Impacted</u>	<u>2014 CAUSE (Pollutant)</u>	<u>2014 Pollutant Source</u>	<u>Reason For Delisting</u>
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.
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 biorecon. When we reassessed it this cycle, it was clear that cattle had been removed and habitat had improved. A 2013 TDEC biorecon at mile 0.4 (u/s Turkey Creek Road) documented 14 EPT families, 7 intolerant, and 27 total families for the perfect biorecon 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.

APPENDIX A (continued)

<u>Waterbody ID</u>	<u>2014 Impacted Waterbody</u>	<u>County</u>	<u>Miles Impacted</u>	<u>2014 CAUSE (Pollutant)</u>	<u>2014 Pollutant Source</u>	<u>Reason for Delisting</u>
TN08010204014 - 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.
TN08010209021 - 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.
TN08010210001 - 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.
TN08010210004 - 0400	UNNAMED TRIBUTARY 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.
TN08010210023 - 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.

APPENDIX A (continued)

<u>Waterbody ID</u>	<u>2014 Impacted Waterbody</u>	<u>County</u>	<u>Miles Impacted</u>	<u>2014 CAUSE (Pollutant)</u>	<u>2014 Pollutant Source</u>	<u>Reason for Delisting</u>
<u>TN08010210 032 - 1000</u>	<u>CYPRESS CREEK</u>	<u>Shelby</u>	<u>8.6</u>	<u>Lead</u>	<u>Contaminated Sediment</u> <u>Discharges from MS4 area</u>	<u>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.</u>

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

<u>Waterbody ID</u>	<u>2014 Impacted Waterbody</u>	<u>County</u>	<u>Miles Impacted</u>	<u>2014 CAUSE (Pollutant)</u>	<u>2014 Pollutant Source</u>	<u>Basis For Delisting</u>
<u>TN05130203 003T – 0100</u>	<u>FINCH BRANCH</u>	<u>Rutherford</u>	<u>5.7</u>	<u>Nutrients</u> <u>Riparian Alteration</u>	<u>Land Development</u>	<u>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 biorecon 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 biorecon 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.</u>
<u>TN05130203 018 7000</u>	<u>WEST FORK STONES RIVER</u>	<u>Rutherford</u>	<u>7.2</u>	<u>Low Dissolved Oxygen</u>	<u>Pasture Grazing</u>	<u>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 biorecon.</u>
<u>TN06010102 041 – 0100</u>	<u>PAPERVILLE CREEK</u>	<u>Sullivan</u>	<u>2.54</u>	<u>Siltation</u>	<u>Land Development</u>	<u>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.</u>
<u>TN06010102 003 – 0200</u>	<u>UNNAMED TRIB TO HORSE CREEK</u>	<u>Sullivan Washington</u>	<u>3.8</u>	<u>Riparian Alteration</u>	<u>Pasture Grazing</u>	<u>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</u>

						small stream, the bioecon result was more representative of in-stream conditions than was the previous SQSHs.
TN06010207 028 – 1000	CANNEY CREEK	Roane	5.0	Siltation Riparian Alteration	Pasture Grazing	Caney Creek was listed as the result of a very poorly scoring bioecon 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 bioecon documented 17 EPT genera, 9 intolerant, and 42 total genera for the good bioecon score of 13. We now think the previous survey score at the downstream site was due to embayment effects rather than pollution.

APPENDIX B (continued)

<u>Waterbody ID</u>	<u>2014 Impacted Waterbody</u>	<u>County</u>	<u>Miles Impacted</u>	<u>2014 CAUSE (Pollutant)</u>	<u>2014 Pollutant Source</u>	<u>Reason for Delisting</u>
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 bioecon in 2009 (scored 7). In 2014, a TDEC bioecon at mile 0.1 (Hickman Road) documented 10 EPT families, 7 intolerant, and 22 total families for the good bioecon score of 13. The habitat score was also good (151). Due to the lack of a traditional riffle area in this stream, the bioecon is better than the SQSH for documenting biointegrity status.
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.

APPENDIX B (continued)

Waterbody ID	2014 Impacted Waterbody	County	Miles Impacted	2014 CAUSE (Pollutant)	2014 Pollutant Source	Reason for Delisting
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.
TN08010210 005 - 0200	STOUT CREEK	Fayette	6.7	Low dissolved oxygen	Pasture Grazing Channelization	Stout Creek was listed for low dissolved oxygen following a 2000 biorecon. 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.
TN08010210 020 – 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

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

<i>Percina tanasi</i>	Snail darter	T	47	3 obs. 1974- 09/1975	44 obs. 1976-2000	06010201 06020001 06020002 06010204 06020004 06030004 06010104 06010108 06010107 06010201 06020003	No	12 Or 150	40 FR 47506; Oct. 9, 1975 Or 49 FR 27514; July 5, 1984
<i>Phoxinus cumberlandensis</i>	Blackside dace	T	26	0	26 obs. 1985-2000	05130101	No	273	52 FR 22585; June 12, 1987
<i>Scaphirhynchus albus</i>	Pallid sturgeon	E	3	0	3 obs. 1990	08010100	No	399	55 FR 36647; Sept. 6, 1990
Crustaceans									
<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 metastrata</i>	Upland combshell	E	1	1 obs pre-1974	0	03150101	Yes*	495	58 FR 14339; March 17, 1993
<i>Epioblasma obliquata obliquata</i>	Purple cat's paw pearlymussel	E	2	0	2 obs 1979-1982	05130201	No	394	55 FR 28213; July 10, 1990
<i>Epioblasma torulosa gubernaculum</i>	Green-blossom pearlymussel	E	13	11 obs 1913-1935	2 obs 1975-1979	06010205 06010206	Yes*	15	41 FR 24064; June 14, 1976
<i>Epioblasma torulosa torulosa</i>	Tubercled-blossom pearlymussel	E	8	6 obs 1919-1965	2 obs 1981	05130201	Yes*	15	41 FR 24064; June 14, 1976
<i>Epioblasma turgidula</i>	Turgid-blossom pearlymussel	E	17	16 obs pre-1886- 1972	1 obs 1979	06040003	Yes*	15	41 FR 24064; June 14, 1976
<i>Fusconaia cor (edgariana)</i>	Shiny pigtoe	E	56	16 obs 1913-1967	40 obs 1975-1998	06010205 06010206 06030003	No	15	41 FR 24064; June 14, 1976
<i>Fusconaia cuneolus</i>	Fine-rayed pigtoe	E	49	21 obs 1899-1973	28 obs 1978-1998	06010101 06010201 06010205 06010206 06030003	No	15	41 FR 24064; June 14, 1976
<i>Hemistena lata</i>	Cracking pearlymussel	E	33	9 obs 1914-1970	24 obs 1975-1999	06010205 06010206 06030003 06040001	No	36	43 FR 12691; March 27, 1978

<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
Snails									
<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) ogmorhappe</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

