

FINAL

1998 303(d) LIST

June, 1998
(Revised July and September, 1998)



**TENNESSEE DEPARTMENT OF ENVIRONMENT
AND CONSERVATION**

**Division of Water Pollution Control
Planning and Standards Section
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GUIDANCE FOR UNDERSTANDING AND INTERPRETING THE 303(d) LIST

June, 1998 (Revised July and September, 1998)

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

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

Additionally, the 303(d) List prioritizes each of these water quality limited streams in regard to how quickly a specialized study called a Total Maximum Daily Load (TMDL) should be performed on each.

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

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

What Tennessee Streams Are Not On the 303(d) List?

Streams considered unpolluted, plus streams that the Division cannot assess due to a lack of water quality information, are not found on the List. Additionally, streams where a control strategy is already in the process of being implemented, are not appropriate for listing. Thus, any stream not on the 303(d) List can be assumed to either be unassessed, unpolluted, or with a control strategy already in place.

In previous 303(d) cycles, EPA advised states to not list streams if a TMDL would be of little practical benefit, such as when pollution has been caused by **historical** rather than by current activities. A good example would be lakes with a fishing advisory due to sediment contaminated with legacy chemicals from past discharges. EPA has reversed this position and now advises that these streams must be included on the 303(d) List and prioritized for future TMDL generation. Thus, the 1998 303(d) List will contain some additional sites not found on the 1996 version.

How Were the Waters Assessed for this Document?

The assessment of Tennessee's waters was based on a water quality evaluation that took place during the winter of 1997-1998. Using readily available water quality data, the Division of Water Pollution Control placed each of the nearly 850 waterbodies of Tennessee into one of the following categories:

- **Fully Supporting Designated Uses.** The quality of water is good enough to support the uses assigned to it by the Tennessee Water Quality Control Board. Most streams in Tennessee fall into this category.
- **Fully Supporting, but Threatened.** The stream is considered unimpacted by pollution, but the Division believes that a continuation of land use or other trends will cause the stream to fail to support designated uses **within the next two years.**

- **Partially Supporting.** The body of water is somewhat impacted by pollution and water quality criteria are exceeded on some frequency. Water quality is considered **moderately impacted**.
- **Not Supporting.** The body of water is highly impacted by pollution and water quality criteria are exceeded on a regular or frequent basis. Water quality is considered **severely impacted**.

As mentioned previously, the 303(d) List is composed of streams considered **Partially Supporting** or **Not Supporting**. Threatened streams are also appropriate for listing.

What Types of Data Were Used in the Assessment of Tennessee Streams?

The Division utilized its own water quality data, plus that collected by other agencies and entities in Tennessee. It is important to note that the Division did not have any data that it chose not to consider during the assessment process. The data generally fell into the following categories:

CHEMICAL DATA	BIOLOGICAL DATA	PHYSICAL DATA	SEDIMENT AND FISH TISSUE DATA
Compliance monitoring performed at the nearly 2,000 permitted dischargers in Tennessee. Also, includes data collected as a result of complaint investigations, fish kills, spills, and in support of enforcement activities.	Rapid bioassessment surveys completed in support of the watershed approach. These were performed primarily in tributary streams as a means of monitoring biological integrity.	Temperature and flow data collected at various sites in Tennessee.	Division sediment and fish tissue data collected at various sites across Tennessee.
Ambient data collected at the Division's fixed-station monitoring network. Contains over 100 sites. Also, stations established to support the Watershed approach.	Division ecoregion biological monitoring. Benthic and fish IBI score calculated at many sites.	Quantitative assessments of habitat made in conjunction with biological surveys.	EPA's report <i>The Incidence and Severity of Sediment Contamination in Surface Waters of the United States</i> .
Chemical data collected at the Division's 100 ecoregion reference sites. (These stations provide a baseline to which other sites within that ecoregion can be compared.)	Bioassay studies of effluent toxicity at most major NPDES dischargers. Many minor facilities also do this type testing.	Time-of-travel studies of flow, oxygen sags and BOD decay rates.	Locations of existing fishing advisories in Tennessee.
Chemical data collected by other agencies*.	Biological data collected by other agencies*.	Physical data collected by other agencies*.	Data collected by other agencies*.

* The Division of Water Pollution Control is grateful to the following agencies for the use of their monitoring data and reports: **U.S. Environmental Protection Agency** (STORET, sediment report, *Index of Watershed Integrity*); **Tennessee Valley Authority** (River Action Teams biological data, Reservoir Vital Signs Monitoring, NPDES discharge monitoring, recreational area fecal coliform sampling, tailwater monitoring); **Tennessee Wildlife Resources Agency** (biological surveys and fish tissue monitoring data); **U.S. Geological Survey** (gaging station data); **U.S. Army Corps of Engineers** (water, sediment, and tailwater monitoring), and **U.S. Fish and Wildlife Service** (species databases).

Public Participation

The Division of Water Pollution Control held public hearings in Knoxville (May 7) and in Nashville (May 8) to specifically discuss the draft 303(d) List. These meetings were well attended and staff explained the development and legal ramifications of the list to an interested group of citizens, other agencies, and the regulated community.

Many people found and downloaded the 303(d) List from the Department's Home Page. Additionally, the statewide water quality assessment and the 303(d) List were discussed at the Watershed Management public hearings held during the spring of 1998. At these presentations, watershed-specific results were discussed and citizens, agencies, and university staff were asked to provide any additional water quality information that they might have. Following is a list of these meetings.

WATERSHED MEETING SCHEDULE

WATERSHED	DATE	LOCATION	ATTENDANCE
EAC, Chattanooga			
Ocoee	May 5	Ducktown	22 people
TN River-1	May 6	Watts Bar	6 people
EAC, Jackson			
SFFD	May 26	Jackson	4 people
EAC, Johnson City			
Watauga	May 19	Sycamore Shoals	16 people
EAC, Knoxville			
Emory	May 27	Cumberland Mtn State Park	22 people
Watts Bar	May 28	Harriman	6 people
EAC, Memphis			
Nonconnah	June 2	Memphis	9 people
EAC, Nashville			
Harpeth	May 20	Franklin	40 people
Stones	May 21	Murfreesboro	10 people

Following the end of the public participation phase, the Division prepared a formal response to all comments received concerning the 1998 303(d) List.

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:

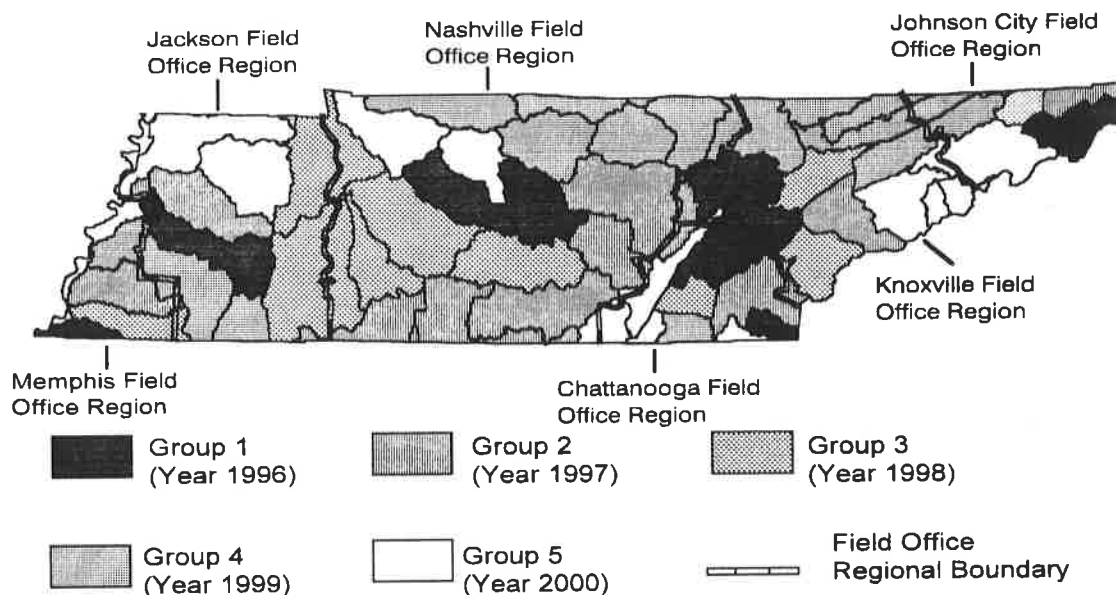
- Re-allocate limits on the sources of pollutants documented as impacting streams. It might be necessary to lower the amount of pollutants being discharged under NPDES permits or to require the installation of other control measures, if necessary, to insure that standards will be met.
- For sources the 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 Best Management Practices.

Even for the impacted streams found on the 303(d) List, TMDL development is **not** considered appropriate for all bodies of water. If enforcement has already been taken and a compliance schedule has been developed; or if best management practices have already been installed for non-regulated activities, the TMDL is considered **not applicable**. In cases involving pollution sources in other states, the recommendation may be that another state or EPA perform the TMDL.

How Are the TMDLs Prioritized?

The 303(d) List was last updated in 1996. In the interim, the Division of Water Pollution Control has restructured monitoring and permitting activities on a rotating watershed basis. In keeping with this approach, Tennessee has decided to develop TMDLs on a rotating watershed basis. Each watershed will be examined on a five-year cycle as illustrated on the map.

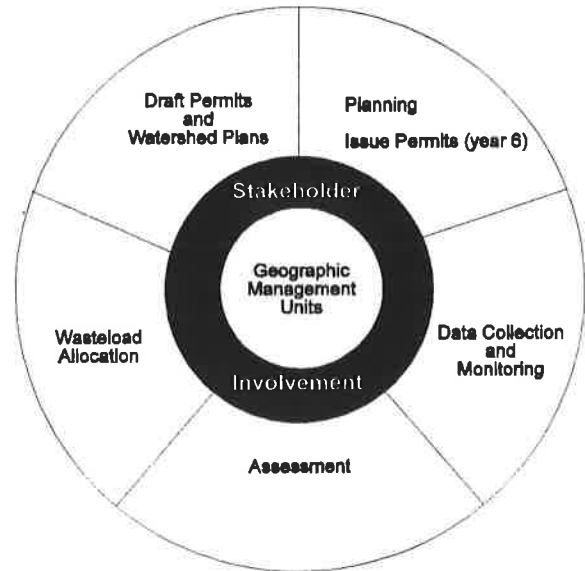
Tennessee's Watershed Management Groups



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.



EPA has asked the Division to create a schedule to develop all of the needed TMDLs for 303(d) listed streams by the year 2011. For its part, EPA has committed to provide better guidance and new tools for TMDL generation.

Thus, for the next two years, the Division has decided to base its TMDL priority for each body of water on the 303(d) List based on the following philosophy:

- High Priority** The body of water is in a watershed identified to begin its five-year cycle in 1996, 1997, or 1998 and the pollutant causing the impact is one for which EPA has provided tools for TMDL generation, such as low dissolved oxygen, metals or fecal coliforms. Our assessment of priority considers the severity of pollution in the waterbody and the uses to be made of the waters.
- Low Priority** The body of water is considered polluted (not supporting or partially supporting) and the pollutant causing the impact is one for which EPA has not provided guidance for TMDL generation, such as sediment contamination, nutrients, wet-weather flows, air deposition, and other legacy problems.
- Not Applicable** The stream is impacted, but a TMDL is not appropriate for this body of water for the reasons described in the section *What Is a TMDL?*.

Key to 303(d) List

WATERBODY ID	In 1988, the Division divided the state's waters into "waterbodies" and created a database of information about each. Each waterbody has an ID based on EPA's River Reach System. The first eight digits of the ID after TN is the USGS HUC Code number. We are making substantial progress toward converting this system into a GIS-based system. The 303(d) List is sorted in hydrologic order within each major watershed basin.
WATERBODY NAME	The name of the main body of water within the waterbody is provided as well as a short description of the impacted segments.
COUNTY	The county the waterbody is in. Where waterbodies stretch across multiple counties, the more downstream county is usually listed.
PARTIAL	If the stream is considered partially supporting designated uses, the number of impacted miles (according to Reachfile 3) are shown in this column. Lake acres are listed as "ac".
NOT	If the stream is considered not supporting designated uses, the number of impacted miles (according to Reachfile 3) are shown in this column. Lake acres are listed 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 so that we might be consistent with language used by other states.)
MAG	The magnitude of the cause or source is given as High, Medium, or Slight.
TMDL	TMDL Priority is either High, Low, or Not Applicable.
COMMENTS	For some impacted waters, additional information is provided.

**FINAL
1998 303(d) LIST FOR THE STATE OF TENNESSEE**

Upper Cumberland Basin

This basin contains the following USGS Hydrologic Unit Codes: 05130101 (Clear Creek), 05130104 (South Fork Cumberland River), 05130105 (Obey River), 05130106 (Cordell Hull Lake), 05130107 (Collins River), and 05130108 (Caney Fork River).

Waterbody ID	Impacted Waterbody	County	Partial	Not	CAUSE (Pollutant)	Mag	Pollutant Source	Mag	TMDL	COMMENTS
TN05110002 00918.6	MIDDLE FK DRAKES CR- From KY line to headwaters is partially.	Sumner	29.8		Other inorganics	S	Petroleum activities	H	L	Sulfur water discharged from abandoned oil wells.
TN05110002 01025.3	TRAMMEL CREEK Little Trammel Creek is not supporting.	Sumner		14.2	Taste & odor Organic Enrichment/DO Pathogens Unionized Ammonia	H H H H	Municipal Point Source	H	L	
TN05110002 0291.0	SALT LICK CR From Chet Road to headwaters is partially supporting.	Macon	24.5		Siltation Habitat alteration	M M	Channelization Land development	M M	L	
TN05110002 TOWNCR	TOWN CREEK	Macon		3.7	Organic Enrichment/DO	H	Municipal Point Source	M	L	The Division has no recent data on this stream- relisted at EPA's request.
TN05110002 CTYLKPO	CITY LAKE PORTLAND	Sumner	34 ac		Siltation Organic enrichment/DO Taste & odor	H M S	Urb. runoff/storm sewers Animal Feeding Area	M M	L	
TN05110002 CITYLKW	CITY LAKE WESTMORELAND	Sumner	11.0 ac		Nutrients Organic enrichment/DO Taste & odor	H M M	Pastureland Urb. runoff/storm sewers	M M	L	
TN05130101 0091.0	CAPUCHIN CR INCL UNNAMED TRIB	Campbell	29.8		Siltation	M	Abandoned Mining	M	L	
TN05130104019	N. WHITE OAK CR Incl. Laurel Fork and Mill Creek. N. White Oak Cr. and Mill Cr. are partially supporting. Laurel Fork is fully supporting.	Scott	123.6		pH	M	Abandoned Mining	M	L	Laurel Fork was considered as an ecoregion reference stream. The Division has no recent data on Mill Creek- relisted at EPA's request.
TN05130104 026	CLEAR FORK RIVER - Crooked Cr from mile 14.6 to 33.0 is partially.	Scott	18.4		Siltation	M	Silviculture	M	L	
TN05130104 032	WHITEOAKCREEK Incl Bone Camp and Black Wolf Creek	Scott	154.1		Siltation	M	Resource Extraction	M	L	The Division has no recent data for this stream- Relisted at EPA's request.
TN05130104 038	BRIMSTONE CREEK - Above Mill Cr is partial.	Scott	19.4		Siltation	M	Silviculture Inactive Mining	M M	L	
TN05130104 044	STRAIGHT FORK CR	Scott	25.3		pH Habitat Alteration	M M	Resource Extraction Habitat Modification	M M	L	
TN05130104 048	PINE CREEK Pine Creek from mile 13.6 to Howard Baker Lake is not supporting	Scott		29.9	Priority organics Organic enrichment/DO Pathogens Habitat Alteration Siltation	H H H H H	Contaminated sediments Septic Tanks Channelization	H H H H	H	Water contact advisory due to failing septic tanks. Superfund site source of organics in sediment.

1998 303(d) LIST (Upper Cumberland Basin cont.)

Waterbody ID	Impacted Waterbody	County	Partial	Not	CAUSE (Pollutant)	Mag	Pollutant Source	Mag	TMDL	COMMENTS
TN05130104 0501.9	BEAR CREEK	Scott		19.6	Siltation pH	M H	Abandoned Mining	H	L	Site of 319 Program nonpoint source study.
TN05130104 0519.3	ROARING PAUNCH CREEK	Scott	36.5		Siltation	M	Petroleum Activities	M	L	The Division has no recent data on this stream- relisted at EPA's request.
TN05130104 PKTLK	PICKETT LAKE	Pickett	5.0 ac		Organic enrichment/DO pH Noxious aquatic plants	M M S	Hydrologic Modification	M	L	
TN05130105 001	OBEY RIVER	Clay	20.3		Flow alteration	M	Upstream impoundment	M	L	Impacted by Dale Hollow Res. releases.
TN05130105 017	WEST FORK OBEY RIVER- Dale Hollow to headwaters is partial.	Overton	130.1		Metals pH Siltation	S M M	Abandoned Mining	M	L	This segment has improved due to abandoned mine runoff mitigation activities.
TN05130105 022	EAST FORK OBEY R. Confl. of Rockcastle Cr to Hurricane Cr, plus Big Laurel Creek are partial.	Fentress	86.2		Metals pH Siltation	S M M	Abandoned Mining	M	L	This segment has improved due to abandoned mine runoff mitigation activities. Iron is metal on Big Laurel Creek.
TN05130105 023	BIG PINEY CREEK	Fentress	18.7		pH Siltation	M M	Resource Extraction	M	L	The Division has no recent data on this stream- relisted at EPA's request.
TN05130105 025	EAST FORK OBEY RIVER	Fentress		85.9	Metals pH Siltation	S M M	Resource Extraction	M	L	
TN05130105 029	ROCKCASTLE CREEK	Fentress	30		Pathogens Metals Thermal modification Organic enrichment/DO Suspended solids	S S H H M	Municipal point source Urb. runoff/storm sewers	H M	L	Area impacts include Jamestown STP.
TN05130105 035	WOLF RIVER Town Creek is not supporting.	Pickett		3.1	Oil and Grease	H	Sludge	H	L	Byrdstown land application of sludge.
TN05130106 007	ROARING RIVER Carr & Town Cr are partially supporting.	Jackson	6.2		Siltation Pathogens	M M	Construction Urban runoff/stormsewers	M M	H	Livingston area impacts.
TN05130106 018	MILL CREEK	Clay	47.8		Siltation Metals	M M	Upstream impoundment	M	L	Manganese released by Standing Stone Lake.
TN05130107 023	DRY CREEK (HILLS) CREEK	Warren		73.6	Siltation pH	H H	Specialty crop production Resource Extraction	H M	L	Impacted by mining in the headwaters and by nursery operations downstream.
TN05130107 BIGCKLAKE	BIG CREEK UTILITY DISTRICT LAKE	Grundy	69.0 ac		pH Metals	M M	Resource Extraction	M	L	The Division has no recent data on this lake- Relisted at EPA's request.
TN05130108 012	CANEY FORK RIVER	Putnam	24.7		Organic enrichment/DO Flow alteration Thermal modification	M M M	Upstream impoundment	M	L	Center Hill Reservoir tailwater releases impact this section.
TN05130108 024	ROCKY RIVER- From Riverview to headwaters is not supporting.	Van Buren		106.3	pH	H	Abandoned Mining Inactive Mines	H H	L	

1998 303(d) LIST (Upper Cumberland Basin cont.)

Waterbody ID	Impacted Waterbody	County	Partial	Not	CAUSE (Pollutant)	Mag	Pollutant Source	Mag	TMDL	COMMENTS
TN05130108 027	CANE CR INCL DRY FORK & PINEY CR Piney and a portion of Dry Branch are partial. Gardner Creek is not supporting.	Van Buren	25.0	20.7	Metals Habitat Alteration	M M M	Abandoned mines	M	L	Manganese from abandoned mines has coated rocks and impacts biological habitat.
TN05130108 027	CANE CR INCL DRY FORK & PINEY CR Portion of Fall Cr is partial.	Van Buren	0.5		Metals Habitat Alteration	M M	Upstream Impoundment	M	L	Iron precipitated out of Falls Creek Falls Lake coats substrate and causes orange waterfall (seasonal).
TN05130108 0465.8	FALLING WATER RIV From Burgess Falls SNA to City Lake is partial.	Putnam	43.7		Siltation Organic enrichment/DO	M M	Urb. runoff/storm sewers	M	H	Cookeville area impacts
TN05130108 090	CENTER HILL RES. Small tributaries. Mine Lick Cr is not supporting.	-----		22.8	Pathogens	H	Failing collection system	H	H	Water contact advisory due to impacts from Baxter STP overflows.
TN05130108 PIGRSTCR	PIGEON ROOST CREEK	Putnam		8.5	Organic enrichment/ DO	H	Municipal point source Urb. runoff/storm sewers	M H	H	Area sources of BOD include general urban runoff and the Cookeville STP.
TN05130108 SPENCERC TYLAKE	SPENCER CITY LAKE	Van Buren	16.0 ac		Metals	M	Resource Extraction	M	L	The Division has no recent data on this lake- relisted at EPA's request.

Lower Cumberland Basin

This basin contains the following USGS Hydrologic Unit Codes: 05110002 (Green River), 05130201 (Old Hickory Lake), 05130202 (Cheatham Reservoir), 05130203 (Stones River), 05130204 (Harpeth River), 05130206 (Red River), and 05130205 (Lake Barkley).

Waterbody ID	Impacted Waterbody	County	Partial	Not	CAUSE (Pollutant)	Mag	Pollutant Source	Mag	TMDL	COMMENTS
TN05130201 013	SPRING CREEK- Mouth to Ferry Rd is partial. Unnamed Trib from Ferry Rd to Dump Rd is not supporting.	Wilson	2.5	3.7	Habitat alteration	M	Landfills	M	L	Wilson County and private landfill impacts.
TN05130201 021	ROUND LICK CREEK Section from Caney Fork Creek to headwaters is partially supporting.	Smith	71.9		Pathogens Chlorine Siltation Lead	M M M M	Municipal Point Source Agriculture	M M	H	Area impacts include Watertown STP.
TN05130201 041	EAST CAMP CR - Incl. Town CR & Harris Branch	Sumner	64.5		Habitat alteration Siltation	M M	Road construction Streambank modification Urban runoff/stormwater	M M M	L	Gallatin area impacts.
TN05130201 055	BARTONS CREEK Incl Unnamed Trib.	Wilson	67.8		Pathogens Organic enrichment/DO Siltation	M S S	Collection system failure Urb. runoff/storm sewers Land development	M M S	H	Lebanon urban runoff and collection system problems.
TN05130202 001	CHEATHAM RES. - Big Bluff Creek is not supporting.	Cheatham		7.1	Siltation	M	Recreational activities	M	L	Off-road vehicles damaging creek.

1998 303(d) LIST (Lower Cumberland Basin cont.)

Waterbody ID	Impacted Waterbody	County	Partial	Not	CAUSE (Pollutant)	Mag	Pollutant Source	Mag	TMDL	COMMENTS
TN05130202005	CHEATHAM RES. from Marrowbone Cr to White's Cr.	Cheatham		2449 ac	Pathogens	H	Collection system failure Major Municipal Wet Weather discharge	H H	H	Water contact advisory. Wet weather releases from Metro STP & collection system.
TN05130202006	CHEATHAM RESERVOIR - From White's Cr to Stones R.	Cheatham		1994 ac	Pathogens Siltation	H M	Combined sewer overflow Urb. runoff/storm sewers Major Municipal Wet Weather discharge	H M H	H	Water contact advisory. Order issued to correct Metro CSO problem.
TN05130202006T	CHEATHAM RESERVOIR TRIBS Pages Branch & Cooper Cr are not supporting.	Cheatham		19.3	Pathogens Siltation Organic enrichment/DO	H M M	Collection system failure Urb. runoff/storm sewers Land development	H M H	H	
TN05130202007	MILL CREEK Mill Cr is partially supporting. A trib. to Owl Cr is partial. Sims Br is not supporting.	Davidson	114.4	4.5	Habitat alteration Siltation Organic enrichment/DO Nonpriority Organics	H M M M	Channelization Land development Ind. permitted stormrunoff	H M H	H	Ethylene glycol (de-icer) runoff from Nashville Airport impacts Sims Branch. Owl Branch impacted by residential construction.
TN05130202009	CHEATHAM RES- From conf of Stones R. to Old Hickory Dam is partial.	Davidson	740 ac		Pathogens Organic enrichment/DO	M H	Hydrologic modification Municipal point source	H M	H	Nashville collection system bypassing. Also, poor quality Old Hickory Res. releases.
TN05130202009T	CHEATHAM RESERVOIR TRIBS Manskers Cr is not supporting. Dry Cr & unnamed tribs are partially.	Davidson	30.8	4.7	Pathogens Organic enrichment/DO Siltation	M H H	Land development Collection system failure	H H	H	Water contact advisory on Manskers' Creek.
TN05130202010	WHITE'S CREEK- from mouth to mile 2.1 is not supporting.	Davidson		2.1	Pathogens	H	Collection system failure	H	H	Water contact advisory.
TN051302020BRWNCR	BROWN'S CREEK- from mouth to the forks, including East Fork, is not supporting.	Davidson		7.6	Oil & grease Organic enrichment/DO Pathogens	H S H	Urb. runoff/storm sewers Minor ind. point source Combined sewer overflow	H H H	H	Water contact advisory due to Metro combined sewer overflows. Also, stream is impacted by spills and runoff from Radnor Yards.
TN051302020BRWNCR	WEST FORK BROWN'S CREEK- confluence with East Fork to headwaters is partial.	Davidson	3.6		Habitat Alteration	M	Land Development	M	L	
TN051302020RICHIDCR	RICHLAND CREEK- Mouth to Jocelyn Br is not supporting. From Jocelyn Br to headwaters is partially supporting. Jocelyn Hollow Br, Vaughns Gap Br, Sugartree are partial.	Davidson	18.3	11.1	Pathogens Habitat alteration	H M	Collection system failure Urban runoff/storm sewer Habitat Modification	H M M	H	Water contact advisory due to Metro combined sewer overflows.
TN051302020WATGAL	WATAUGA LAKE	Davidson	5.0 ac		Nutrients Organic enrichment/DO	M	Urb. runoff/storm sewers	M	L	

1998 303(d) LIST (Lower Cumberland Basin cont.)

Waterbody ID	Impacted Waterbody	County	Partial	Not	CAUSE (Pollutant)	Mag	Pollutant Source	Mag	TMDL	COMMENTS
TN05130203 001	STONES RIVER - Mouth to P. Priest Dam is partially supporting.	Davidson	6.7		Other inorganics Organic enrichment/DO Flow alteration Taste & odor	M M M S	Upstream impoundment	M	L	Other Inorganics: manganese and sulfides below Percy Priest. Sulfides cause odor problem below dam.
TN05130203 001	MCCRORY CREEK is not supporting.	Davidson		12.1	Habitat Alteration Pathogens	H H	Urb Runoff/Storm sewers Collection system failure	H H	L	McCrary Creek impacted by overflows from Metro sewer system.
TN05130203 010	STEWARTS CREEK- From Harris Br to Rocky Fork, plus Rock Spring Br, are partial. Olive Br is not supporting.	Rutherford	25.1	8.2	Siltation Flow alteration Habitat Alteration	M S H	Urb. runoff/storm sewers Land Development	M M	L	Development in the Smyrna area impacting d/s portion of Stewarts Creek and tribs. Upper Stewarts Creek is used as an ecoregion reference stream for the Central Basin.
TN05130203 003T	FINCH BRANCH	Rutherford	3.2		Habitat Alteration Organic Enrichment/DO Pathogens	H H H	Collection System Failure Land Development Riparian Loss	H H H	L	
TN05130203 015	OVERALL CREEK Armstrong Branch is not supporting	Rutherford		5.3	Organic Enrichment/DO Habitat Alteration	H H	Pastureland	H	L	
TN05130203 018	WEST FORK STONES RIVER	Rutherford	15.5		Organic enrichment/DO	M	Municipal point source Land Development	M M	H	Includes development impacts around Old Fort Parkway and Murfreesboro STP impacts.
TN05130203 022	LYTLE CREEK Headwaters are partially supporting. Downstream area not supporting.	Rutherford	10.1	10.1	Siltation Oil & grease Habitat alteration	M M M	Urb. runoff/storm sewers Riparian loss	M M	L	Lytie in Murfreesboro impacted by urban runoff and illegal dumping from transmission shop. U/S of town impacted by subdivision development.
TN05130203 023	WADES BRANCH Downstream part of Wades Branch partially supporting (upper portion not supporting.)	Rutherford	7.2	3.9	Siltation Habitat alteration	M M	Pastureland Habitat Modification	M M	L	
TN05130203 023	BEAR BRANCH is not supporting. Dry Br. is partially supporting.	Rutherford	1.1	3.5	Siltation Habitat alteration Org. Enrichment/DO	H H M	Pastureland Riparian loss Land Development	M H H	L	Impacted by subdivision development in Murfreesboro.
TN05130203 025	CRIPPLE CREEK Portion of Cripple Cr, as well as McElroy Cr, are partially supporting.	Rutherford	31.1		Habitat Alteration Siltation	M M	Pastureland Riparian Loss	M M	L	
TN05130203 026	EAST FORK STONES Upper East Fork Stones (headwaters) partially supporting.	Rutherford	9.1		Habitat alteration	M	Habitat modification	M	L	
TN05130203 026	EAST FORK STONES TRIBUTARIES McKnight and Cavender Br. partially supporting.	Rutherford	24.2		Habitat alteration	M	Agriculture Riparian Loss	M M	L	
TN05130203 029	BRADLEY CREEK Jarman Branch is partially supporting. Unnamed trib. is not supporting.	Rutherford	4.4	4.5	Siltation Organic Enrichment/DO Habitat Alteration	M M H	Pastureland Riparian loss	M H	L	

1998 303(d) LIST (Lower Cumberland Basin cont.)

Waterbody ID	Impacted Waterbody	County	Partial	Not	CAUSE (Pollutant)	Mag	Pollutant Source	Mag	TMDL	COMMENTS
TN05130203 032	FALL CREEK Fall Creek and Williams Branch are partial. Cedar Branch is not supporting.	Rutherford	65.5	4.1	Siltation	M	Pastureland Riparian loss	M M	L	
TN05130203 035	STONERS CREEK Portion of Stoners Creek and unnamed tributary is partially supporting.	Davidson	3.5		Siltation Oil and grease Pathogens	M M M	Land Development Industrial permitted runoff Spills Collection system failure	M M M M	L	Area impacts include Metro collection system bypassing, land development, and historical limestone operations.
TN05130203 036.78	HURRICANE CREEK	Rutherford	19.4		Nutrients Siltation Thermal modification Org. enrichment/DO	M M M M	Industrial point source Land development Riparian Loss Channelization	M M M M	L	
TN05130203 EFKHAM	EAST AND WEST FORK HAMILTON CR	Davidson		6.1	Organic enrichment/DO, Pathogens	H	Collection system failure	H	L	Water contact advisory on East Fork Hamilton.
TN05130204 001	HARPETH RIVER Dog Creek is not supporting	Cheatham		3.8	Siltation Habitat Alteration	H H	Road Construction Riparian Loss	H H	L	
TN05130204 002	JONES CREEK - Jones Cr from Sulphur Fk to headwaters is partially. Spicer Branch is not supporting.	Dickson	23.5	5.9	Organic enrichment/DO Siltation Flow alteration	H H H	Land development Agriculture Hydromodification	H M M	L	Rapid development and construction activities in the Dickson area is impacting the headwaters and some tributaries of Jones Creek.
TN05130204 006	TURNBULL CREEK Barren Fork and Parker Creeks are partial.	Cheatham	24.7		Siltation Habitat Alteration	M M	Pastureland	M	L	
TN05130204 009	HARPETH RIVER TRIBUTARIES- Newsome Cr, Trace Cr, and Murray Branch are partially supporting.	Williamson	10.4		Org. enrichment/DO Siltation Habitat alteration	M M M	Pastureland Urb. runoff/storm sewers Riparian loss	M M M	L	
TN05130204 009	HARPETH RIVER TRIBUTARIES- Beech and unn. trib to Harpeth are not supporting.	Williamson		5.7	Org. enrichment/DO Siltation Habitat alteration	M M M	Riparian loss Urb. runoff/storm sewers	M M	L	
TN05130204 010	SOUTH HARPETH R- Portion of Arkansas Creek is not supporting. Bedford Cr. is partially.	Williamson	5.8	5.7	Siltation Habitat alterations Other inorganics Org. enrichment/ DO	H M H H	Landfill Hydrologic Modification	H M	L	Williamson County landfill. "Other inorganic" is total dissolved solids. Some tribs impacted by dam construction.
TN05130204 013	WEST FORK HARPETH RIVER - A portion of West Harpeth, plus Cayce Branch, Polk, and Kennedy Creek, are partially supporting.	Williamson	62.1		Siltation Habitat alterations Org. enrichment/ DO	M M M	Riparian Loss Pastureland	M M	L	
TN05130204 013	W. FORK HARPETH TRIBUTARIES Rattlesnake Branch is not supporting	Williamson		6.5	Siltation Habitat Alterations Org. enrichment/DO	H H H	Agriculture	H	L	

1998 303(d) LIST (Lower Cumberland River Basin cont.)

Waterbody ID	Impacted Waterbody	County	Partial	Not	CAUSE (Pollutant)	Mag	Pollutant Source	Mag	TMDL	COMMENTS
TN05130204 016	HARPETH RIVER- From W FK Harpeth to headwaters is partially supporting.	Williamson	37.3		Org. Enrichment/DO Habitat Alteration Siltation Metals (As, Pb, Zn, Sb)	M M M M	Agriculture Contaminated sediment Urb. runoff/storm sewers Major Mun. Point Source Industrial Point Source	M M M M M	H	Impacts include Franklin STP. Legacy chemicals from General Smelting causes contaminated sediment upstream of Franklin.
TN05130204 016	HARPETH RIVER TRIBUTARIES Arrington Cr, Spencer Cr, Watson Br, 5-mile Cr, Lynnwood Cr, and Starnes Cr are partially supporting.	Williamson	79.0		Org. Enrichment/DO Habitat Alteration Siltation	M M M	Agriculture Riparian Loss	M M	L	
TN05130204 016	HARPETH RIVER- TRIBUTARIES Concord Cr, Puckett, Cheatham, Kelly, portion of Harpeth headwaters, are not supporting.	Williamson		35.7	Org. Enrichment/DO Habitat Alteration Siltation	H H H	Agriculture Riparian Loss	H H	L	Agricultural impacts near Eagleville.
TN05130204 021	LITTLE HARPETH RIVER- Portions of Little Harpeth, Beech, and Otter creeks are partial.	Williamson	16.2		Habitat alteration Siltation	M M	Land Development Riparian Loss	M M	L	
TN05130205 038	BIG MCADOO CR INCL. UNNAMED TRIB.	Montgomery	40.4		Siltation Nutrients	M M	Agriculture Land development	M M	L	
TN05130206 001	RED RIVER - from mouth to Sulphur Fk Cr. is partially supporting.	Montgomery	50.3		Siltation Pathogens Org. enrichment/DO	M M M	Agriculture Collection system failure	M M	L	
TN05130206 001	SEVEN SPRINGS CK	Montgomery		1.0	Nutrients Pesticides	H H	Urban runoff/storm sewer Groundwater loadings	H H	L	
TN05130206 003	SULPHUR FORK- From mouth to Beaver Dam Cr is partially.	Robertson	29.5		Siltation	M	Agriculture	M	L	
TN05130206 003	POORHOUSE BRANCH -Small trib of Carr Branch	Montgomery	2.1		Siltation	H	Landfill	H	L	Robertson County landfill.
TN05130206 0195.8	SOUTH FORK RED RIVER including Honey Run Creek	Robertson	121.7		Siltation	M	Agriculture	M	L	The Division has no recent data on this stream- relisted at EPA's request.
TN05130206 0247.3	RED RIVER incl Summers BR. Summers Branch is partial.	Robertson	15.0		Siltation	M	Municipal Point Source Urb. runoff/storm sewers Land Development	H H M	H	Impacts include Portland STP.
TN05130206 034	LITTLE W FK RED R incl Piney & Fletchers Fork are partially supporting.	Montgomery	132.1		Org. enrichment/DO Organic enrichment/DO Siltation	M M M	Municipal Point Source Habitat modification	M M	H	Impacts include Fort Campbell STP.
TN05130206 039	WEST FORK RED R- Spring Cr is partially supporting.	Montgomery	37		Siltation Org. enrichment/DO Habitat alterations	M M M	Nonirrigated crop prod. Riparian Loss	M M	L	
TN05130206 DUNCLK	DUNBAR CAVE LAKE	Montgomery	15.0 ac		Siltation Nutrients	M M	Land development Urb. Runoff/storm sewers	M M	L	

1998 303(d) LIST (cont.)

Holston River Basin This basin contains the following USGS Hydrologic Unit Codes: 06010101 (North Fork Holston), 06010102 (South Fork Holston), 06010103 (Watauga River), and 06010104 (Holston River).

Waterbody ID	Impacted Waterbody	County	Partial	Not	CAUSE (Pollutant)	Mag	Pollutant Source	Mag	TMDL	COMMENTS
TN06010101001	NORTH FORK HOLSTON RIVER	Sullivan		24	Mercury	H	Industrial Point Source Source in Other State Contaminated Sediment	H H H	NA	Mercury historically discharged from Olin in VA has impacted this river and caused the fishing advisory. VA should do TMDL.
TN06010102001	SOUTH HOLSTON RIVER	Sullivan	24.4		Organic enrichment/DO Thermal modifications	M S	Urb. runoff/storm sewers Upstream impoundment	M M	L	Below Fort Patrick Henry, the river has also been impacted by low DO in tailwaters and urban runoff. TVA tailwater improvements have helped, but not eliminated this problem.
TN06010102006	BOONE RESERVOIR	Sullivan	4400 ac		PCBs Chlordane	M M	Contaminated Sediment	M	H	Fishing advisory due to PCBs. Several tributaries are impacted by pathogens.
TN06010102042	BEAVER CR INCL CEDAR CREEK	Sullivan		43.9	Pathogens	H	Pasture land Urb runoff/storm sewers Source in Other State	S H H	H	Water contact advisory. Bacterial levels higher a stateline than further downstream.
TN06010102046	REEDY CREEK From mouth to Holston Valley Hospital is partial.	Sullivan	11.7		Siltation Habitat alterations	M M	Urb. runoff/storm sewers	M	L	
TN06010103006	BOONES CREEK	Washington	23.4		Siltation	M	Pasture land Land Development	M M	L	
TN06010103009	BRUSH CREEK	Washington	20.3		Nutrients Siltation Habitat Alterations	M M M	Hydrologic modification Land Development Urb. runoff/storm sewers	M M M	L	Stream culverting a problem in this urban stream.
TN06010103013	DOE RIVER - Doe River from mile 18.3 to 21.5, plus a portion of Laurel Fork, Hampton Cr, and Shell Cr are partial.	Carter	20.5		Habitat Alteration	M	Channelization	M	L	These streams were recently channelized, an action that damaged these designated trout streams.
TN06010103033	ROAN CREEK Incl Forge Cr from Reese Br to Town Cr (includes Town by Mt City) is partial.	Johnson	6.7		Pathogens Siltation	H S	Municipal Point Source Agriculture	H M	L	Impacts include Mountain City bypasses—Commissioner's Order issued as control strategy.
TN06010103033	CASH HOLLOW CREEK	Washington		21.93	Pathogens Habitat Alteration	H M	Pastureland Urban runoff/stormwater Land Development	M H M	H	Water contact advisory.
TN06010103033	SINKING CREEK	Washington		19.8	Pathogens	H	Pastureland Urban runoff/stormwater	M H	H	Water contact advisory.
TN06010104001	HOLSTON RIVER Swanpond Creek is partial.	Knox	16.4		Siltation Habitat Alteration	M M	Channelization Construction	M M	L	Construction around Strawberry Plains.
TN06010104003	HOLSTON RIVER- From confluence of Richland Cr to Cherokee Dam is partial.	Grainger	91.6		Organic enrichment/DO Flow alteration	M S	Upstream Impoundment	M	L	Impacted by low DO releases from Cherokee Reservoir. TVA tailwater improvements have helped, but not eliminated this problem.

Waterbody ID	Impacted Waterbody	County	Partial	Not	CAUSE (Pollutant)	Mag	Pollutant Source	Mag	TMDL	COMMENTS
TN06010104 019	BIG FLAT CREEK Little Flat Cr. is partial.	Knox	50.2		pH	M	Resource Extraction	M	L	Underground limestone mine.
TN06010104 0240.85	CHEROKEE RES. TRIBS. Turkey Creek is not supporting	Hamblen		14.5	Pathogens	H	Collection System Failure	H	L	Water contact advisory due to Morristown area impacts.
TN06010104 MOSSYCR	MOSSY CREEK	Jefferson		8.5	Siltation Zinc	H H	Resource Extraction	H H	L	

French Broad River Basin This basin contains the following USGS Hydrologic Unit Codes: 06010105 (Upper French Broad), 06010106 (Pigeon River), 06010107 (Lower French Broad River), and 06010108 (Nolichucky River).

Waterbody ID	Impacted Waterbody	County	Partial	Not	CAUSE (Pollutant)	Mag	Pollutant Source	Mag	TMDL	COMMENTS
TN06010105 001	FRENCH BROAD R.- From Pigeon R to NC state line is partial.	Cocke	60.0		Metals Siltation	M M	Source From Other State	M	NA	Copper, aluminum, cadmium, and iron exceed criteria in samples from monitoring station at Del Rio. Color also elevated. NC should do TMDL.
TN06010105 003	BIG CREEK - Trail Fk Big Cr from mouth to Nough Cr, John Cr, Baker Br, and parts of Dry Fork & Granny Br are not supporting.	Cocke		22.5	Pathogens	H	Septic Tanks	H	L	Water contact advisory issued following hepatitis A outbreak. Study documented elevated fecal coliforms. Source of bacteria thought to be failing septic tanks.
TN06010106 001	PIGEON RIVER- from mouth to Cosby Cr is not supporting.	Cocke		46.8	Dioxin Suspended Solids Odor	H H S	Industrial Point Source Source in Other State	H H	NA	Elevated color is the suspended solid of concern. Fishing advisory for dioxin. Champion Paper in Canton, NC is source of color, dioxin, and odor problem. NC should do TMDL
TN06010106 009	PIGEON RIVER- From Cosby Cr to NC state line is not supporting.	Cocke		34.4	Dioxin Suspended Solids Odor	H H S	Industrial Point Source Source in Other State	H H	NA	Elevated color is the suspended solid of concern. Fishing advisory for dioxin. Champion Paper in Canton, NC is source of color, dioxin, and odor problem. NC should do TMDL
TN06010107 001	FRENCH BROAD R- From gaging station to Happy Cr is partially.	Knox	56.1		Flow alteration Nutrients Organic enrichment/DO	S S M	Agriculture Land Development Upstream impoundment	M M M	L	Impacted by Douglas Reservoir releases (low DO and flow alteration).
TN06010107 006	FRENCH BROAD R- From Happy Cr to Douglas Dam.	Sevier	30.0		Siltation Thermal modifications Organic enrichment/DO, Flow alteration	S S H H	Land Development Upstream impoundment	M H	L	Impacted by Douglas Reservoir releases. Development around Sevierville also impacting French Broad.
TN06010107 007	LITTLE PIGEON R- From mouth to Little E Fork is not supporting.	Sevier		5.1	Pathogens Siltation Habitat Alteration Nutrients Flow Alteration	H M M S M	Septic Tanks Collection System Failure Channelization Urb. runoff/storm sewers Flow Modification	H H H S M	H	Water contact advisory. Sevierville is completing a new STP.

1998 303(d) LIST (French Broad River Basin cont.)

Waterbody ID	Impacted Waterbody	County	Partial	Not	CAUSE (Pollutant)	Mag	Pollutant Source	Mag	TMDL	COMMENTS
TN06010107 010	WEST PRONG LITTLE PIGEON RIVER - From mouth on Little Pigeon to confluence of Walden Cr.	Sevier		15.5	Pathogens Nutrients Siltation Flow alteration	H M M M	Septic Tanks Collection System Failure Urb. runoff/storm sewers Land Development Channelization	H M S M S	H	Water contact advisory due to pathogens. Development between Sevierville and Pigeon Forge adding silt to river.
TN06010107 011	WALDEN CREEK - From mouth to Laurel Cr is not supporting.	Sevier		16.1	Pathogens	H	Septic Tanks	H	H	
TN06010107 014	WEST PRONG LITTLE PIGEON R.- From Walden Cr to Dudley Cr is not supporting.	Sevier		20.4	Pathogens Siltation	H M	Septic Tanks Land Development	H M	H	
TN06010107 015	WEST PRONG LITTLE PIGEON R. - From Dudley Cr upstream 0.7 miles is not supporting.	Sevier		0.7	Pathogens Siltation	H M	Septic tanks Collection system failure Urb. runoff/storm sewers Hydromodification	H H M M	H	Retaining walls and other hydromodification along with urban runoff, impacts river and tributaries in Gallatinburg. West Prong above Gallatinburg fully supporting.
TN06010107 016	DUDLEY CREEK- From mouth on W Pr Little Pigeon R to mile 8.8 is not supporting.	Sevier		8.8	Nutrients Siltation Habitat alteration Organic enrichment/DO Pathogens	S M M S H	Land development Channelization Habitat Modification Septic Tanks	H M M H	H	Water contact advisory.
TN06010107 025	EAST FK INCL DUNN CREEK- from mouth to headwaters is partial.	Sevier	107.4		Nutrients Siltation	M M	Agriculture	M	L	
TN06010107	LEADVALE CREEK	Jefferson		1.5	Pathogens	H	Pasture/Grazing	H	L	
TN06010108 001	NOLICHUCKY RIVER Flat Cr from mouth to Chucky R. Rd is partially.	Cocke	1.5		Nutrients Siltation	M M	Agriculture	M	L	
TN06010108 005	NOLICHUCKY RIVER- From Little Chucky Cr to Nolichucky Dam (Davy Crockett Res).	Greene	109.8		Siltation	M	Agriculture Resource Extraction Source in Other State	M M M	NA	TMDL on Nolichucky R should be developed by NC.
TN06010108 007	MEADOW CREEK	Greene	41.8		Pathogens	M	Agriculture	M	L	The Division has no recent information on this stream- relisted at EPA's request.
TN06010108 0102.0	DAVY CROCKETT RESERVOIR	Greene	383 ac		Siltation	M	Agriculture Resource Extraction Source in Other State	M M M	L	
TN06010108 0109.0	NOLICHUCKY RIV. From Davy Crockett Res. to NC state line, plus some tribs, are partial. Little Limestone Creek is fully.	Greene	264.1		Siltation	M	Agriculture Resource Extraction Source in Other State	S M M	L	Historical feldspar mining near Spruce Pine, NC has caused high silt loading in the Nolichucky. Some tributaries are impacted by agricultural practices.
TN06010108 0109.0	DRY CREEK- Mouth to mile 2.0 is partial.	Greene	2.0		Habitat Alteration Siltation	M M	Resource Extraction	M	L	Dry Creek is a trout stream upstream of the area impacted by sand mining.

1998 303(d) LIST (French Broad River Basin cont.)

Waterbody ID	Impacted Waterbody	County	Partial	Not	CAUSE (Pollutant)	Mag	Pollutant Source	Mag	TMDL	COMMENTS
TN06010108030	BIG LIMESTONE CREEK- Is partially supporting. Carson Cr, Jockey & Muddy are also partially supporting	Washington	91.9		Nutrients Suspended solids Pathogens	M M M	Agriculture	M	H	
TN06010108033	PIGEON CREEK	Greene		11.8	Pathogens	M	Agriculture	M	L	The Division has no recent data on this stream- relisted at EPA's request
TN06010108035	LICK CREEK is partially supporting. Punchoon Camp Cr is not supporting.	Greene	213.4	6.7	Suspended solids Siltation Nutrients Pathogens	M M M M	Agriculture	M	H	
TN06010108079	RICHLAND CREEK	Greene	15.1		Nutrients Habitat Alteration	M M	Urb. Runoff/Storm Sewer Hydromodification	M M	L	Greeneville urban runoff.
TN06010108SINKINGCR	SINKING CREEK	Greene	23.3		Siltation Nutrients	M M	Agriculture	M M	L	

Upper Tennessee River Basin This basin contains the following USGS Hydrologic Unit Codes: 06010201 (Watts Bar/Fort Loudoun), and 06010204 (Little Tennessee River).

Waterbody ID	Impacted Waterbody	County	Partial	Not	CAUSE (Pollutant)	Mag	Pollutant Source	Mag	TMDL	COMMENTS
TN06010201001	WATTS BAR RESERVOIR	Rhea		39000 ac	PCBs Mercury	H S	Contaminated sediments	H	NA	Fishing advisory due to PCBs. Historical discharges from DOE facilities considered primary source of pollution.
TN06010201013	POND CREEK	Loudon	63.8		Siltation Nutrients Habitat alterations	M M M	Removal of riparian veg. Confined Animal feeding operation (nonpoint)	M M	L	
TN06010201015	SWEETWATER CREEK	Loudon		97.2	Priority organics Metals Siltation	M M H	Hazardous Waste Channelization Agriculture Land Development	H M H M	L	Langdale CERCLA site source of chromium and arsenic, creosote
TN06010201016	TENNESSEE RIVER From Sweetwater Cr to Fort Loudoun Dam.	Loudon		10.8	Organic enrichment/DO Flow Alteration PCBs	M H H	Upstream Impoundment Contaminated sediment	H H	L	Fishing advisory TVA tailwater improvements have helped, but not eliminated, low DO below Ft. Loudoun.
TN06010201016	STEEKEE CREEK	Loudon	9.5		Habitat Alteration	M	Pasture Riparian Vegetation Loss	M M	L	
TN06010201020	FORT LOUDOUN RESERVOIR	Knox		14600 ac	Priority Organics Nutrients Siltation	H M M	Contaminated sediment Urb. runoff/storm sewers	H H	L	Fishing advisory due to PCBs. Knoxville urban runoff one source of nutrients and silt.
TN06010201022	GALLAGHER CREEK	Blount	13.2		Nutrients Siltation Organic Enrichment/DO Pathogens	M M M M	Pastureland	M	L	

1998 303(d) LIST (Upper Tennessee River Basin cont.)

Waterbody ID	Impacted Waterbody	County	Partial	Not	CAUSE (Pollutant)	Mag	Pollutant Source	Mag	TMDL	COMMENTS
TN06010201026	LITTLE RIVER Includes PISTOL AND STOCK CREEK. Pistol Creek is not supporting. Portion of Stock is partial.	Blount	0.8	70.5	Priority organics Nutrients Siltation Organic enrichment/DO	H M M M	Industrial Point Source Contaminated Sediment Agriculture Land Development	M H M H	L	Fishing advisory on Little River embayment due to PCBs.
TN06010201028	CROOKED CREEK	Blount	50.5		Habitat Alteration Nutrients	M M	Pasture Riparian Vegetation Loss Septic Tanks	M M M	L	
TN06010201032	LITTLE RIVER Short Cr is partial.	Blount	5.9		Siltation	M	Land Development	M	L	
TN06010201033	ELLEJOY CREEK- partially supporting	Blount	41.9		Nutrient Siltation	H M	Agriculture Land Development	H M	L	Trailer parks.
TN06010201037	LITTLE TURKEY CREEK	Knox	16.9		Siltation Habitat alterations	M M	Land development Riparian vegetation loss	M M	L	
TN06010201038	TOWN CREEK	Loudon	12.8		Habitat Alteration	M	Hydromodification	M	L	
TN06010201040	BLACK CREEK	Roane		14.8	Nonpriority Organics	H	Hazardous Waste	H	L	CERCLA site discharging PAHs.
TN06010201	CANEY CREEK	Roane	35.2		Siltation	M	Land development	M	L	
TN06010201	SINKING CREEK	Knox		6.0	Pathogens	H	Urb. runoff/storm sewers	M	L	Water contact advisory. Impacted by Knoxville area urban runoff.
TN06010201	FIRST CREEK	Knox		26.2	Pathogens Nutrients Siltation Habitat Alteration	H M M H	Failing Collection System Urb. runoff/storm sewers Hydromodification	H H H	L	Water contact advisory. Also impacted by Knoxville area urban runoff.
TN06010201	GOOSE CREEK	Knox		4.9	Pathogens Siltation Habitat alterations Priority Organics	H M M H	Failing Collection System Urb. runoff/storm sewers	H M	L	Water contact advisory due to pathogens. Witherspoon Superfund site.
TN06010201	SECOND CREEK	Knox		3.9	Metals Pathogens Nutrients Siltation	H H H H	Hazardous Waste Failing Collection System	H H	H	Water contact advisory due to pathogens. Coster CERCLA site source of metals.
TN06010201	THIRD CREEK	Knox		20.7	Pathogens Nutrients Siltation Habitat alterations	H M M M	Urb. runoff/storm sewers Failing Collection system Land Development Urb. runoff/storm sewers Hydromodification	H M H H	H	Water contact advisory due to pathogens.
TN06010201	RUSSELL BR	Blount		3	PCBs Siltation	H H	Hazardous Waste Urb. runoff/storm sewers	H H	L	Historical waste disposal at ALCOA is source of PCBs.
TN06010201	TURKEY CREEK	Knox		13.1	Pathogens Nutrients Siltation PCBs	H H H M	Failing Collection System Urb. runoff/storm sewers Highway Construction Land development	M H M M	H	Water contact advisory due to pathogens.
TN06010204001	TELLICO RESERV.	Monroe		16500 ac	PCBs	M	Contaminated Sediment	H	L	Fishing advisory-PCBs in catfish.

1998 303(d) LIST (Upper Tennessee River Basin cont.)

Waterbody ID	Impacted Waterbody	County	Partial	Not	CAUSE (Pollutant)	Mag	Pollutant Source	Mag	TMDL	COMMENTS
TN06010204 043	BAKER CREEK	Loudon	59.0		Metals	M	Industrial Point Source	M	L	The Division has no recent data on this stream- 303(d) Listed at EPA's request.
TN06010204 045	NOTCHY CREEK	Monroe	39.0		Siltation Habitat Alterations	M M	Pastureland Urb. runoff/storm sewers	M M	L	

Clinch River This basin contains the following USGS Hydrologic Unit Codes: 06010205 (Upper Clinch River), 06010206 (Powell River), 06010207 (Lower Clinch River), and 06010208 (Emory River).

Waterbody ID	Impacted Waterbody	County	Partial	Not	CAUSE (Pollutant)	Mag	Pollutant Source	Mag	TMDL	COMMENTS
TN06010205 BIGCR	BIG CREEK	Campbell		50.4	Pathogens Nutrients	H H	Comb. Sewer Overflows	H	L	
TN06010206 008	RUSSELL CREEK Above Murphy Rd is not supporting.	Claiborne		7.0	Nutrients Siltation	H H	Urb. runoff/storm sewers	H	L	Tazewell area impacts.
TN06010206 026	DAVIS CREEK	Campbell		56.7	Pathogens Nutrients Siltation	H H H	Confined Animal Feeding Operation (point and nonpoint)	H	L	Dairy operations. Site of 319 Program nonpoint source study.
TN06010207 001	CLINCH RIVER & TRIBS - From mouth at TN River to Hickory Cr is not supporting.	Roane		42.0	PCBs Chlordane Metals	H M M	Industrial Point Source Contaminated Sediments	H H	L	Fishing advisory due to PCBs. DOE Reservation impacts. Mercury is metal of concern.
TN06010207 004	HICKORY CREEK from mouth on Clinch River to headwaters.	Knox	15.5		Oil & grease Siltation Habitat alterations	H H M	Industrial Point Source Channelization Industrial permitted runoff	H M H	L	Truck stops.
TN06010207 006	MELTON HILL RESERVOIR Includes Beaver Creek Embayment	Roane		5690 ac	PCBs Chlordane Siltation	H H S	Contaminated Sediment Industrial Point Source	H M	L	Fishing advisory due to PCBs and chlordane.
TN06010207 011	BEAVER CREEK From mouth on Clinch River to headwaters.	Knox	137.4		Nutrients Pathogens Siltation Habitat Alteration	M S M M	Municipal Point Source Agriculture Drainage/filling wetlands Land development	M M M M	H	Depressed biological communities and excessive algal growth indicate nutrient problems. Sources for nutrients include agricultural runoff, land development, and municipal point sources.
TN06010207 014	BULLRUN CREEK Foster and Williams Branch are not supporting.	Knox		2.5	Siltation	H	Resource Extraction	H	L	
TN06010207 020	POPLAR CREEK INCL BRUSHY FORK Poplar Cr from mouth (embayment) to mile 5.0 is not supporting.	Anderson		5	PCBs Metals	H H	Industrial Point Source Contaminated sediments	H H	L	Fishing advisory in embayment. DOE Reservation impacts.
TN06010207 COALCR	COAL CREEK - From mouth on Clinch including Beech Grove Fk is partially supporting.	Anderson	47.9	2.7	Pathogens Nutrients Siltation	H M H	Septic Tanks Resource Extraction	M H	L	

1998 303(d) LIST (Clinch River cont.)

Waterbody ID	Impacted Waterbody	County	Partial	Not	CAUSE (Pollutant)	Mag	Pollutant Source	Mag	TMDL	COMMENTS
TN06010207E FKPOPLAR CREEK	EAST FORK POPLAR CREEK	Roane		43.6	Priority organics Metals Pathogens Nutrients Siltation	H H H M M	Industrial Point Source Contaminated sediments Municipal Point Source (wet weather discharge) Urb. runoff/storm sewers	H H M S	L	E. Fork Poplar Cr has been impacted by releases at DOE's Oak Ridge facilities (K-25, Y-12, ORNL). Elevated mercury and PCBs has resulted in a fishing advisory. Bacteria levels are also elevated--source considered to be wet weather overflows from Oak Ridge.
TN06010208 004	CROOKED FORK EMORY RIVER- From Flat Fk to headwaters is partially supporting. Flat Fk is partial up to Bolton Br.	Morgan	55.0		Nutrients Habitat alteration Siltation	M M M	Pasture land Channelization Abandoned Mines	M M M	L	
TN06010208 005	EMORY RIVER- Upstream of Rock Cr is partially supporting.	Morgan	32.2		Siltation	M	Abandoned Mines	M	L	
TN06010208005	GREASY CREEK	Morgan	5.1		Siltation	M	Silviculture	M	L	
TN06010208 013	OBED RIVER From the confluence of Little Obed to Lake Holiday is not supporting.	Cumberland		26.8	Habitat Alteration	H	Urb. Runoff/storm sewers Upstream Impoundment	M H	L	A survey of the Obed indicated a significant loss of expected biological diversity below Lake Holiday. Sampling near Catootsa WMA also indicated stress to biological community.
TN06010208 013	DROWNING CREEK	Cumberland		10.7	Habitat Alteration	H	Unknown Source	H	L	Additional studies needed to determine the cause of the observed loss of biological integrity on Drowning Creek.
TN06010208 020	CRAB ORCHARD CR.	Morgan		28.9	pH Siltation	H H	Abandoned Mines	H H	L	

Lower Tennessee Basin

This basin contains the following USGS Hydrologic Unit Codes: 03150101 (Conasauga River), 06020002 (Hiwassee River), 06020003 (Ocoee River), 06020001 (Nickajack/Chickamauga), 06020004 (Sequatchie River), and 06030001 (Guntersville).

Waterbody ID	Impacted Waterbody	County	Partial	Not	CAUSE (Pollutant)	Mag	Pollutant Source	Mag	TMDL	COMMENTS
TN06020001 001	NICKAJACK RESERVOIR	Marion	10370.0 ac		PCBs Nonpriority organics	M S	Contaminated sediment	M	L	Precautionary fishing advisory for consumption of catfish due to PCBs. Dioxin levels also considered elevated.
TN06020001 007	S. CHICKAMAUGA CR - From mouth to Ga state line is partial.	Hamilton	109.6		Habitat Alteration Pathogens Suspended solids	S M M	Land development Channelization Source in Other State Urb. runoff/storm sewers	S S S M	L	Pathogens from TN urban runoff and GA sources. Suspended sediment from TN construction activities and GA sources. GA should also do TMDL.
TN06020001 064	SODDY CREEK Incl Gray Creek	Hamilton	72.9		Metals Siltation pH Habitat alteration	M S S H	Hwy/road/bridge Resource Extraction	S M	L	

1998 303(d) LIST (Lower Tennessee Basin cont.)

Waterbody ID	Impacted Waterbody	County	Partial	Not	CAUSE (Pollutant)	Mag	Pollutant Source	Mag	TMDL	COMMENTS
TN06020001068	N. CHICKAMAUGA CR- From Mile Straight to Boston Br is not supporting. From Boston Br to Mossy Cr is partial. From Mossy Cr to headwaters, including Brimer & Standifer Crs are not supporting.	Hamilton	13.5	50.1	Metals pH Siltation	H H S	Resource Extraction Land Development	H S	L	Historical mining effects in some headwater streams in this system. Manganese and iron are the metals of concern. Land development in watershed is concern.
TN06020001076	SUCK CREEK - Above N. Suck Creek is not supporting.	Hamilton		16.2	pH Metals Siltation	H H H	Resource Extraction	H	L	Iron is metal of concern.
TN06020001CHATCR	CHATTANOOGA CREEK Mouth to GA stateline	Hamilton		23.2	Pathogens Organic enrichment/DO Oil And Grease Dioxin Priority Organics	H H M M H	Combined sewer overflow Spills Non-Industrial Permitted Stormwater Contaminated sediments Hydromodification	H S M H H	L	Fishing and water contact advisory. Superfund mitigation of coal tar deposits in creek. Chattanooga under Commission's Order for collection system bypassing. MS4 permit being implemented.
TN06020001STRING	STRINGERS BRANCH	Hamilton		6	Pathogens Habitat Alteration	H H	Collection system failure Urb. Runoff/Storm sewers Hydrologic modification	H H H	L	Water contact advisory on Stringers Branch. Red Bank under Commissioner's Order to fix collection system problems. Enforcement should resolve. Additionally, stream heavily culverted and otherwise altered.
TN06020001STRING	MOUNTAIN CREEK	Hamilton	7.8		Habitat Alteration	M	Habitat Modification	M	L	Biological integrity impacted by development.
TN06020002001	HIWASSEE RIVER - From N Mouse to Oostanaula is partially supporting.	Meigs	416 ac		Pathogens	M	Agriculture Municipal Point Source	S M	L	
TN06020002001T	HIWASSEE RIVER UNNAMED TRIBUTARY is partially supporting.	Bradley	11.3		Pathogens	M	Package Plant	M	L	Charleston area minor tributaries.
TN06020002083	OOSTANAULA CREEK	McMinn		111.8	Pathogens Suspended solids	H M	Municipal point source Pastureland Animal holding areas Urb. runoff/storm sewers	M H M S	H	Water contact advisory. Problem on Oostanaula due to bypassing & collection system problems in Athens, plus animal holding and grazing areas upstream. 319 Project upstream of Athens.
TN06020002CANECR	CANE CREEK	McMinn		1.7	Pathogens	H	Septic Tanks Grazing Related Sources	H H	H	
TN06020003004	PARKSVILLE RES- Ocoee Dam #1 to Baker Cr is partial. From Baker Cr to reservoir headwaters is not supporting.	Polk	704 ac	576 ac	Metals Siltation	M H	Contaminated sediment	H	L	Parksville Reservoir fishery is improving, but sediment contamination exerts toxic effect near head of lake. Some concerns about PCBs in fish.
TN06020003013	OCOEE RIVER - Parksville Res to Ocoee #2 Dam is not supporting.	Polk		7.3	Metals Flow alteration	H H	Abandoned Mining Extraction Hydromodification	H M	L	Use is impacted by metals and flow alteration for power generation.

1998 303(d) LIST (Lower Tennessee Basin cont.)

Waterbody ID	Impacted Waterbody	County	Partial	Not	CAUSE (Pollutant)	Mag	Pollutant Source	Mag	TMDL	COMMENTS
TN06020003 01310.0	Ocoee Number Three Reservoir	Polk		480.0 ac	pH Suspended solids Metals Siltation	S S M H	Abandoned Mining Contaminated sediment	H H	NA	Fish tissue in Tumbling Creek embayment tested OK. TVA has been asked to avoid sluicing sediment D/S.
TN06020003 01310.5	OCOEE R Incl Davis Mill Creek - Ocoee Reservoir #3 to Davis Mill Cr and includ. Davis Mill Cr. is not supporting.	Polk		10.0	Metals Siltation pH	M M H	Waste Storage Contaminated Sediment Abandoned Mining Channelization Mine Tailings	M H H H H	NA	Ocoee River from GA stateline to Davis Mill Creek is fully supporting. Copper Basin impacts downstream.
TN06020003 0135.0	OCOEE NUMBER 2 Reservoir	Polk		494 ac	Metals Siltation Flow alteration	M M H	Contaminated sediment Abandoned Mining Upstream impoundment	H H S	NA	Upstream power generation causes flow alteration. Aquatic life impacted by metals and flow alteration.
TN06020003 0135.5	OCOEE RIVER- From Res. #2 to Dam #3 is not supporting.	Polk		8	Metals Siltation Flow alteration	H M H	Contaminated Sediment Abandoned Mining Hydromodification	H H H	NA	Upstream water diversion for power generation causes flow alteration.
TN06020003 033	NORTH POTATO CR Mouth to McGeetown is not supporting.	Polk		13.4	Metals pH Siltation	H H H	Abandoned Mining Mine Tailing Channelization Contaminated Sediments	H H H H	NA	Acid mine drainage from historical mining operations. Erosion source from historic smelting operation.
TN06020004 012	WOODCOCK CREEK	Sequatchie	37.8		Metals Siltation pH	S S M	Inactive Mining	M	L	Underground mining impacts. Iron and aluminum are metals of concern.
TN06020004 013	HICKS CREEK (KELLY CREEK)	Sequatchie	26.6		Metals Siltation Habitat Alteration	M M M	Resource Extraction Channelization	M S	L	The Division has no recent data for this stream- relisted at EPA's request.
TN06020004 014	GRIFFITH CREEK	Marion	16.5		Siltation	M	Silviculture Resource Extraction	M M	L	The Division has no recent data for this stream- relisted at EPA's request.
TN06030001 059	BIG FIERY GIZZARD CR- Tribs near Tracy City are not supporting.	Marion		4.2	Pathogens	H	Septic tanks	H	L	No sewage treatment facility in Tracy City.
TN06030001 GRUNDY1	GRUNDY LAKE # 1	Grundy	16 ac		pH	M	Subsurface Mining	M	L	The Division has no recent information about this lake- relisted at EPA's request.
TN06030001 GRUNDY2	GRUNDY LAKE # 2	Grundy	5 ac		pH	M	Subsurface Mining	M	L	The Division has no recent information about this lake- relisted at EPA's request.

Elk - Shoal Basin This basin contains the following USGS Hydrologic Unit Codes: 060300002 (Flint River), 060300003 (Elk River), 060300004 (Richland Creek), and 060300005 (Shoal Creek).

Waterbody ID	Impacted Waterbody	County	Partial	Not	CAUSE (Pollutant)	Mag	Pollutant Source	Mag	TMDL	COMMENTS
TN06030002 FLINTR	FLINT RIVER	Lincoln	206.2		Siltation Nutrients	M M	Agriculture	M	L	
TN06030003 006	COLDWATER CREEK	Lincoln	48.5		Siltation	M	Agriculture	M	L	

1998 303(d) LIST (Elk - Shoal Basin cont.)

Waterbody ID	Impacted Waterbody	County	Partial	Not	CAUSE (Pollutant)	Mag	Pollutant Source	Mag	TMDL	COMMENTS
TN06030003 015	ELK RIVER From Bean's Cr to Tims Ford Dam is not supporting.	Franklin		19.5	Thermal modification Flow alteration Org. enrichment/DO	H H H	Upstream impoundment	H	L	Tailwater releases from Tims Ford Reservoir impact Elk River. TVA tailwater improvements have helped, but not eliminated this situation.
TN06030003 027	DRY CREEK	Franklin	24.8		Siltation	M	Agriculture	M	L	
TN06030003 035	ELK RIVER - From Tims Ford Res to Woods Res Dam.	Franklin	23.4		Flow alteration Org. enrichment/DO	M M	Upstream impoundment	M	L	
TN06030003 036	WOODS RESERVOIR	Franklin		3908 ac	PCBs	H	Contaminated sediments	H	NA	Fishing advisory due to PCBs. Historical PCB releases from AEDC.
TN06030003 036T	WOODS RESERVOIR TRIBS - Brumalow and Bradley Cr are not supporting.	-----	6.9	39.0	PCBs	H	Contaminated Sediment	H	NA	
TN06030003 053	ROCK CREEK-	Franklin	10.8		Org. enrichment/DO Flow alteration Thermal modification Siltation	M M M M	Municipal Point Source Land Development	M M	L	Area impacts include Tulahoma STP.
TN06030003 063	SWAN CREEK	Lincoln	82.6		Pathogens Org. enrichment/DO	M M	Confined animal feeding operation (nonpoint)	H	H	Fish kills from animal feeding operation.
TN06030003 065	INDIAN CREEK	Giles	45.3		Siltation	M	Agriculture	M	L	
TN06030003 0850.7	CHILDER CREEK	Franklin	8.9		Siltation	M	Agriculture	M	L	
TN06030004 017	RICHLAND CREEK- From Silver Cr to Weakley Cr. is partially supporting. Two small tribs are not supporting.	Giles	16.7	3.0	Lead Zinc Oil and Grease Siltation Pathogens	M M M M M	Industrial Point Source Collection system failure Land development Urb. runoff/storm sewers	M M M M	H	Pulaski area impacts which include Denbo (metals) and collection system problems.
TN06030004 029	WEAKLEY CR INCL AGNEW CR Weakley Cr. from mouth to Dry Weakley is partially.	Giles	16.6		Siltation	M	Agriculture	M	L	
TN06030004 043	RICHLAND CREEK- Coffey Branch and Town Cr. are partial.	Giles	15.9		Pathogens	M	Confined animal feeding operation (nonpoint) Municipal Point Source	M M	H	Town Creek impacts include Comersville STP.
TN06030005 082	SHOAL CREEK	Lawrence	2.5		Metals Unionized Ammonia Organic Enrichment/DO Pathogens	S S M M	Industrial Point Source Municipal Point Source	M M	L	The Division has no recent data on this stream- relisted at EPA's request.

1998 303(d) LIST (cont.)

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

Waterbody ID	Impacted Waterbody	County	Partial	Not	CAUSE (Pollutant)	Mag	Pollutant Source	Mag	TMDL	COMMENTS
TN06040002002	FOUNTAIN CREEK Fountain Cr. above Globe Cr., plus Globe and Silver Creeks are partial.	Maury	109.2		Siltation Habitat alterations	M M	Agriculture	M	L	The Division has no recent data on Silver or Globe creeks- relisted at EPA's request.
TN06040002012	BIG ROCK CREEK- Is partially supporting.	Marshall	95.8		Org. enrichment/DO Siltation	M M	Municipal point source Urban runoff/stormwater	M M	H	Area impacts include Lewisburg STP.
TN06040002027	DUCK RIVER- From confluence of Flat Cr to confluence of Garrison Fork Creek.	Bedford	81.3		Pathogens Siltation	M M	Urban runoff/stormwater Agriculture	M M	H	Shelbyville area impacts.
TN06040002028	THOMPSON CREEK- Mouth to Bennett Br is partial. Bennett & Anderton Br are not supporting.	Bedford	5.5	2.9	Siltation Other inorganics Metals	H H H	Landfill	H	L	USGS study at Quail Hollow landfill. Iron and manganese in landfill leachate.
TN06040002030	DUCK RIVER - From confluence of Flat Cr to confluence of Garrison Fork Creek.	Bedford	9.3		Thermal modification Flow alteration Metals Org. enrichment/DO	M H M M	Upstream impoundment	H	L	Duck River impacted by discharges from Normandy Res. Iron and manganese in tailwaters. TVA tailwater improvements have helped, but not eliminated this situation.
TN06040002030	DODDY CREEK Portion is partial.	Bedford	1.5		Flow alteration Org. enrichment/DO	M M	Upstream impoundment	H	L	Doddy Creek impacted by poor quality discharges from Bedford Lake.
TN06040002032	DUCK RIVER	Coffee		4.0	Pathogens	H	Municipal Point Source	H	L	Water contact advisory due to elevated bacteria levels from Manchester area sewage collection system problems and urban runoff.
TN06040002033	LITTLE DUCK RIVER	Coffee		19.3	Pathogens	H	Municipal Point Source	H	L	Water contact advisory due to elevated bacteria levels from Manchester area sewage collection system problems and urban runoff.
TN06040002038	WARTRACE CREEK Bell Buckle Cr. is partially supporting.	Bedford	11.1		Pathogens	M	Municipal Point Source Pastureland	M M	L	Bell Buckle area impacts, including Bell Buckle STP.
TN06040002039	FALL CREEK	Bedford	61		Pathogens Nutrients	M M	Agriculture	M	L	Site of 319 Grant nonpoint source study.
TN06040002047	NORTH FORK CR. INCL ALEXANDER, WEAKLEY, & CLEM CR	Bedford	98.4		Pathogens Nutrients	M M	Agriculture	M	L	Site of 319 Grant nonpoint source study.
TN06040002048	SPRING CREEK	Bedford	31		Organic Enrichment/DO Siltation	M M	Riparian Loss Pasture	M M	L	
TN06040002048	CANEY CREEK	Bedford	26.4		Organic Enrichment/DO Siltation	M M	Riparian Loss Pasture	M M	L	
TN06040002017	CATHEY'S CREEK- Curry Branch is partially supporting.	Maury	7.4		Org. enrichment/DO Pathogens	M M	Confined animal feeding operation (nonpoint)	M	L	

1998 303(d) LIST (Duck River Basin cont.)

Waterbody ID	Impacted Waterbody	County	Partial	Not	CAUSE (Pollutant)	Mag	Pollutant Source	Mag	TMDL	COMMENTS
TN06040003 023	SUGAR CREEK	Maury		51.7	Salinity/TDS/chlorides Pesticides Unionized ammonia	H M H	Landfills Minor ind. source Inactive Mining	H M S	H	Smelter Services landfill. Associated Commodity landfill. Rhone Poulenc discharge.
TN06040003 027	LITTLE BIGBY CR Unnamed Trib. is not supporting.	Maury		2.5	Habitat Alteration Siltation	M M	Urban Runoff/storm sewer	M	L	Columbia area urban runoff impacts.
TN06040003 030	LYTLE CREEK From mouth to Morgan Spring is partial. Unnamed trib. off Morgan Spring is not supporting.	Maury	2.4	1.6	Other Inorganics pH Unionized ammonia	H H H	Industrial Point Source	H	L	Superfund site.
TN06040003 034	RUTHERFORD CR.- from mouth to Carters Cr is partial.	Maury	15.7		Other inorganics Siltation	M M	Major ind. point source Inactive Mining	M M	L	
TN06040003 041	LICK CREEK - From N. Fork Locke Br to Walker Hill Rd is partial. Tribes are not supporting.	Hickman	3.2	1.7	Organic enrichment/DO	M	Silviculture Confined animal feeding operation (nonpoint)	M H	L	
TN06040003 050	GRAB CREEK	Hickman	4.0		Oil and Grease	M	Industrial Point Source	M	L	The Division has no recent data on this creek- relisted at EPA's request.
TN06040004 013	WEAVER BRANCH Oak Dain Creek is not supporting.	Lewis		1.7	Flow Alteration Organic Enrichment/DO	H H	Upstream impoundment	H	L	Creek is impacted by lack of flow and poor quality releases from VFW Lake.
TN06040004 019	BUFFALO RIVER INCL SAW & WALKER North Fork Saw Cr is partially supporting.	Lawrence	2.3		Organic enrichment/DO	M	Package plant	M	H	Summertown School is package plant.
TN06040004 025	ROCKHOUSE CREEK Unnamed trib near Hohenwald is not supporting.	Lewis		2.4	Org. enrichment/DO Thermal modification Suspended solids Pathogens	H H H M	Failing collection system Urb. runoff/storm sewers	H M	H	Hohenwald area impacts which include STP collection system problems.

Western Tennessee Basin This basin contains the following USGS Hydrologic Unit Codes: 06040001 (Upper Kentucky Reservoir) and 06040005 (Lower Kentucky Res.)

Waterbody ID	Impacted Waterbody	County	Partial	Not	CAUSE (Pollutant)	Mag	Pollutant Source	Mag	TMDL	COMMENTS
TN06040001 003	EAGLE CREEK - From Manley's Chapel Rd to headwaters is partial.	Benton	10.5		Unionized Ammonia Organic enrichment/DO	H M	Onsite wastewater system Urb. runoff/ storm sewers	H S	H	Truck stop at Interstate exchange.
TN06040001 020	BROWN'S CREEK	Henderson		3.0	Organic enrichment/DO Flow Alteration	H H	Upstream impoundment	H	L	Stream impacted by poor quality discharges from Browns Reservoir.
TN06040001 041	DOE CREEK - West Prong Doe is partially supporting.	Hardin	2.5		Siltation Flow alteration	M M	Flow regulation/modif. Agriculture	M M	L	Backwater from Kentucky dam.
TN06040001 043	WHITEOAK CREEK Incl. Mud Creek	Hardin	202.4		Siltation Organic Enrichment/DO Flow Alteration	M M M	Agriculture Channelization	M M	L	

1998 303(d) LIST (West Tennessee Valley cont.)

Waterbody ID	Impacted Waterbody	County	Partial	Not	CAUSE (Pollutant)	Mag	Pollutant Source	Mag	TMDL	COMMENTS
TN06040001049	MIDDLETON CREEK	Hardin	111.9		Siltation	M	Agriculture	M	L	
TN06040001054	SNAKE CREEK INCL. OWL CREEK	Hardin	251.9		Siltation	M	Agriculture	M	L	
TN06040001060	CHAMBERS CREEK	Hardin	100.9		Siltation Flow alteration	M M	Agriculture Hydromodification	M M	L	
TN06040001072	HARDIN CK INCL EAGLE - Shakerag Br near Waynesboro is not supporting.	Wayne		3.0	Siltation Habitat alterations	H H	Hwy/Road Construction Channelization Highway/Road Runoff	H H H	L	Road construction along this stream.
TN06040001075	BEECH CREEK - Upstream of Smith Br to headwaters is partial.	Wayne	15.3		Priority Organics Habitat Alteration	H S	Landfills Channelization	H S	L	Old Wayne County landfill.
TN06040005022	WEST SANDY EMBAYMENT	Henry	3.7 ac		Nutrients Organic enrichment/DO Siltation	S S M	Septic tanks Recreational activities Upstream impoundment	S S M	L	
TN06040005023	WEST SANDY CR Incl. Holly Fork Br. - From mouth on KY Res. to headwaters is partial. Holly Fork Br is partial.	Henry	185.7		Organic enrichment/DO Flow alteration Habitat alterations	M S S	Agriculture Urb. runoff/storm sewers Streambank modification/ destabilization	S S S	L	319 Program, nonpoint source project on this stream
TN06040005027	BIG SANDY RIVER - Hwy 69 to confl. of Maple Cr is partially supporting.	Benton	138.6		Siltation Flow alteration	M M	Agriculture Channelization	S M	L	
TN06040005032	BIG SANDY RIVER - From confl. of Maple Cr to headwaters is partial.	Benton	48.9		Org. Enrichment/DO Pathogens	M M	Agriculture	M	L	
TN06040005035	MAPLE CREEK	Carroll		2.0	Org. enrichment/DO	H	Upstream impoundment	H	L	Creek impacted by poor quality releases from Maple Creek Lake.
TN06040005050	TRACE CREEK	Humphreys	36.7		Unionized Ammonia Organic Enrichment/DO	M M	Municipal Point Source	M	L	Waverly area impacts, including Waverly STP.

Obion - Forked Deer Basin This basin contains the following USGS Hydrologic Unit Codes: 0801202 (Obion River), 08010203 (South Fork Obion River), 08010204 (North Fork Forked Deer River), 08010205 (South Fork Forked Deer), and 06010206 (Forked Deer River).

Waterbody ID	Impacted Waterbody	County	Partial	Not	CAUSE (Pollutant)	Mag	Pollutant Source	Mag	TMDL	COMMENTS
TN08010202001	OBION RIVER From mouth to Running Reeffoot Bayou	Dyer		85.6	Nutrients Siltation Habitat alterations	S H H	Channelization	H	L	
TN08010202002	OBION RIVER- Running Reeffoot to Reeds is not supporting.	Dyer		77.5	Siltation Habitat alterations	H H	Channelization Agriculture	H M	L	
TN08010202003	REEDS CREEK	Dyer	82.4		Siltation Pathogens	M M	Agriculture Channelization	M M	L	The Division has no recent data on this stream- relisted at EPA's request.
TN08010202004	OBION RIVER From confl. of Reeds Cr to confl. of North & South Forks.	Dyer		116.8	Siltation Habitat alteration	H H	Agriculture Channelization	H H	L	

1998 303(d) LIST (Obion - Forked Deer Basin cont.)

Waterbody ID	Impacted Waterbody	County	Partial	Not	CAUSE (Pollutant)	Mag	Pollutant Source	Mag	TMDL	COMMENTS
TN08010202009	NORTH FORK OBION RIVER From confluence with S Fk Obion to Harris Fk is partially supporting.	Obion	100.4		Siltation	M	Agriculture Channelization Urb. runoff/storm sewers	H H S	L	
TN08010202015	NORTH FORK OBION RIVER- Hurricane Creek is partially supporting.	Weakley	13.4		Nutrients Siltation	S M	Agriculture Channelization	M M	L	The Division has no recent data on this stream- relisted at EPA's request.
TN08010202024	RICHLAND CREEK	Obion	57.6		Siltation	M	Nonirrigated crop prod. Channelization	M M	L	
TN08010202025	HARRIS FORK OF THE NORTH FORK OBION RIVER	Obion	79.9		Siltation	M	Agriculture Urb. runoff/storm sewers Channelization	M M M	L	South Fulton area impacts.
TN08010202026	DAVIDSON CREEK	Obion		69.0	Siltation	M	Pasture land Channelization	M M	L	
TN08010202027	RICHLAND CREEK	Obion		36.9	Siltation	H	Nonirrigated crop prod. Channelization	M H	L	
TN08010202029	RUNNING REELFOOT BAYOU From mouth to Reelfoot Lake is not supporting.	Dyer		79.0	Organic enrichment/DO Nutrients Suspended Solids Flow Alteration	M M H S	Agriculture Channelization Upstream impoundment	H M H	L	Two fully supporting tributaries, Paw Paw Creek and Rock Branch are ecoregion reference streams for the West TN uplands.
TN08010202030	BLUE BASIN, REELFOOT LAKE	Obion	10950.0 ac		pH Nutrients Organic enrichment/DO Suspended solids Flow alteration	S M M M S	Nonirrigated crop prod. Land development Natural Drainage/filling wetlands Flow regulation/modif.	M S M M S	L	The Blue Basin of Reelfoot Lake has been impacted by shoreline development, sedimentation, low DO, occasional fish kills, high pH, and the general effects of accelerated eutrophication.
TN08010202030T	BLUE BASIN, REELFOOT LAKE TRIBS	-----	18.2		Suspended solids	H	Crop production Land development Channelization	H M M	L	Many of the small tributaries to Reelfoot Lake have been channelized to facilitate wetlands conversion and to provide drainage for agricultural operations.
TN08010202036	BUCK BASIN, REELFOOT LAKE	Obion		2900.0 ac	Nutrients Siltation Noxious aquatic plants Organic enrichment/DO	H H M H	Agriculture Channelization Flow regulation/modif. Natural	H M M M	L	Buck Basin of Reelfoot Lake has been impacted by sedimentation, low DO, submerged and emergent aquatic plants, high pH, and the general effects of accelerated eutrophication.
TN08010202036T	BUCK BASIN TRIBUTARIES	Obion		9.9	Suspended Solids	H	Hydromodification	H	L	The Division has no recent data on this stream- Relisted at EPA's request.
TN08010202037	REELFOOT CREEK AND TRIBUTARIES	Obion		244.5	Siltation Organic enrichment/DO Suspended solids Flow alteration	H H H S	Agriculture Upstream Impoundment Channelization	H S H	L	Channelization, erosion, agricultural runoff, and the building of sedimentation dams have caused impacts.
TN08010202040	UPPER BLUE BASIN, REELFOOT LAKE	Obion		1650.0 ac	Nutrients Siltation Noxious aquatic plants Organic enrichment/DO	H H M M	Nonirrigated crop prod. Channelization Flow regulation/modif. Natural	H M M M	L	Upper Blue Basin of Reelfoot has been impacted by sedimentation, low DO, submerged & emergent aquatic plants, and the generally accelerated eutrophication.

1998 303(d) LIST (Obion Forked Deer Basin cont.)

Waterbody ID	Impacted Waterbody	County	Partial	Not	CAUSE (Pollutant)	Mag	Pollutant Source	Mag	TMDL	COMMENTS
TN08010202 040T	UPPER BLUE BASIN TRIBS.	Obion		63.9	Siltation	H	Nonirrigated crop production	H	L	The Division has no recent data on this stream- relisted at EPA's request.
TN08010202 041	BAYOU DU CHIEN	Obion	27		Nutrients Siltation Organic enrichment/DO Suspended solids, Noxious aquatic plants	M M M M M	Agriculture	H	L	Many of the small tributaries to Reelfoot Lake have been channelized to facilitate wetlands conversion and to provide drainage for agricultural operations.
TN08010202 INDIANCR	INDIAN CREEK	Obion	14.6		Siltation Suspended solids Organic enrichment/DO Flow alteration	M M S M	Agriculture Upstream impoundment	M M	L	Sedimentation lake has altered stream flows.
TN08010203 001	SOUTH FORK OBION RIVER	Obion	56.9		Organic enrichment/DO Siltation	M M	Channelization Agriculture	M M	L	
TN08010203 005	LICK CREEK	Gibson	15.0		Siltation	M	Nonirrigated crop production	M	L	The Division has no recent data on this stream- relisted at EPA's request.
TN08010203 010	BEAVER CREEK From Highway of America to headwaters is partially supporting.	Carroll	83.4		Nutrients Siltation Organic Enrichment/DO	M M M	Municipal Point Source Nonirrigated crop prod. Hydromodification Urb. runoff/storm sewers	M M M S	L	The Division has no recent data on this stream- relisted at EPA's request.
TN08010203 015	MIDDLE FORK OBION RIVER Mouth to Spring Creek is partial.	Weakley	52.1		Siltation Organic Enrichment/DO Pathogens	M S S	Municipal Point Source Nonirrigated crop prod. Channelization	M M M	L	The Division has no recent data on this stream- relisted at EPA's request.
TN08010203 017	MIDDLE FORK OBION RIVER From Spring Cr. to headwaters is partially supporting.	Weakley	231.4		Siltation Organic Enrichment/DO Pathogens	M S S	Municipal Point Source Nonirrigated crop prod. Channelization	M M M	L	The Division has no recent data on this stream- relisted at EPA's request.
TN08010203 017	THOMPSON CREEK	Weakley	2.0		Habitat Alteration Flow Alteration	M M	Upstream impoundment Channelization	M M	L	Segment below Garrett Lake impacted by flow alteration from the lake, plus channelization.
TN08010203 020	MUD CR MOUTH TO HEADWATERS	Obion	174.7		Siltation	M	Agriculture Urban runoff/sewers Channelization	M M M	L	
TN08010203 023	RUTHERFORD FORK OBION RIVER- From mouth to HWY 45 is partially supporting.	Obion	163.1		Siltation	M	Agriculture Channelization	M M	L	
TN08010203	CLEAR CREEK	Carroll		2.0	Habitat Alteration Org. enrichment/DO Siltation	H M M	Upstream impoundment Channelization	H M	L	Segment below Carroll Lake impacted by poor quality discharges from the lake, plus channelization.
TN08010203 WOLFCR	WOLF CREEK	Gibson	42.2		Nonpriority organics Siltation	S M	Industrial Pt Source Contaminated Sediment Agriculture	S S M	L	Milan Arsenal Superfund site.

1998 303(d) LIST (Obion - Forked Deer Basin cont.)

Waterbody ID	Impacted Waterbody	County	Partial	Not	CAUSE (Pollutant)	Mag	Pollutant Source	Mag	TMDL	COMMENTS
TN08010204 001	NORTH FORK FORKED DEER RIVER	Dyer		27.4	Siltation Pathogens	H H	Agriculture Channelization Urb. runoff/storm sewers	H H M	H	Dyersburg area impacts.
TN08010204 003	POND CR	Dyer		101.6	Siltation	H	Agriculture Channelization	H H	L	
TN08010204 004	NORTH FORK FORKED DEER RIVER	Dyer		93	Siltation	H	Agriculture Channelization	H H	L	
TN08010204 005	STOKE'S CR	Dyer	31		Siltation	M	Agriculture	H	L	
TN08010204 007	MIDDLE FORK FORKED DEER RIVER	Dyer	106.4		Siltation Habitat alteration	M M	Agriculture Channelization Drainage/filling wetlands	M M M	L	
TN08010204 009	CYPRESS CREEK	Crockett	69.9		Siltation Habitat Alteration	M M	Agriculture Channelization	M M	L	The Division has no recent data on this stream- re-listed at EPA's request.
TN08010204 010	MIDDLE FORK FORKED DEER RIVER From confluence of Cypress Cr to HWY 45 is partially.	Crockett	183.7		Siltation	M	Agriculture Channelization	M M	L	
TN08010204 010	MIDDLE FORK FORKED DEER RIVER - Moize and Dyer Creek are partially.	Crockett	35.3		Siltation	M	Urban runoff	M	L	
TN08010204 010	MIDDLE FORK FORKED DEER R. - Johnson Creek is not supporting.	Crockett		9.6	Siltation	M	Land Development Agriculture	M M	L	
TN08010204 014	MIDDLE FORK FORKED DEER R. Gurley is partial.	Madison	17.6		Siltation Habitat Alteration Org. enrichment/DO	M M M	Channelization	M	L	
TN08010204 015	TURKEY CR	Madison	24.3		Organic enrichment/DO Pathogens Siltation	M M M	Channelization Agriculture	M M	H	
TN08010204 016	SUGAR CREEK	Crockett	26.1		Siltation Habitat Alteration	M M	Agriculture Channelization	M M	L	The Division has no recent data on this stream- re-listed at EPA's request.
TN08010204 017	BUCK CREEK	Crockett	83.0		Nutrients Siltation Habitat Alteration	M M M	Agriculture Channelization	M M	L	
TN08010204 020	NORTH FORK FORKED DEER R. From confluence of Mud Creek to Hwy 5 is not supporting. From Hwy 5 to headwaters is partial.	Gibson	108.6	71.5	Nutrients Siltation Habitat alterations	S M H	Agriculture Channelization Municipal Point Source	M M S	H	Area impacts include Trenton Lagoon.

1998 303(d) LIST (Obion - Forked Deer Basin cont.)

Waterbody ID	Impacted Waterbody	County	Partial	Not	CAUSE (Pollutant)	Mag	Pollutant Source	Mag	TMDL	COMMENTS
TN08010204022	DOAKVILLE CREEK	Dyer	77.4		Siltation Organic Enrichment/DO Habitat Alteration	M M M	Agriculture Channelization	M M	L	The Division has no recent data on this stream- relisted at EPA's request.
TN08010204023	LEWIS CREEK	Dyer	94.1		Siltation Habitat Alteration	M M	Agriculture Channelization	M M	L	The Division has no recent data on this stream- relisted at EPA's request.
TN08010204	HUMBOLDT LAKE	Crockett		87 ac	Nutrients Organic enrichment/DO	H H	Agriculture	H	L	
TN08010205001	SOUTH FORK FORKED DEER R.- From mouth to confluence with Sumrow Cr is partial.	Dyer	12.9		Siltation Habitat Alteration	M M	Agriculture Channelization	M M	L	
TN08010205002	SUMROW CREEK	Dyer	49.4		Siltation	M	Agriculture	M	L	The Division has no recent data on this stream- relisted at EPA's request.
TN08010205003	SOUTH FORK FORKED DEER RIVER- From Sumrow Cr to Nixon Cr is partially.	Lauderdale	40.6		Pathogens Siltation Habitat Alteration	M M M	Agriculture Channelization	M M	L	
TN08010205005	NIXON CR INCL POND & MERIDIAN CR	Haywood		190.5	Siltation Organic enrichment/DO	H M	Agriculture Channelization Urb. runoff/storm sewers	H H M	L	
TN08010205010	SOUTH FORK FORKED DEER RIVER	Haywood	86.7		Pathogens Siltation Organic enrichment/DO	M M S	Agriculture Channelization	M M	H	
TN08010205012	SOUTH FORK FORKED DEER R. - Confluence of Mud Cr to Meridian Cr, plus Panther Cr, are partially supporting. Central Cr. and Sandy Cr. not supporting.	Madison	238.3	9.7	Siltation Habitat Alteration Organic enrichment/DO Pathogens Nonpriority organic	H H M M S	Industrial Point Source Agriculture Contaminated Sediments Resource Extraction Land development Urb. runoff/storm sewers Channelization	S S S S M S S	H	American Ceosote Superfund site. General impacts from development in Jackson.
TN08010205015	JOHNSON CR	Madison	55		Siltation Pathogens	M M	Channelization Agriculture Land development	M M M	H	
TN08010205028	NORTH FORK OF THE SOUTH FORK FORKED DEER	Madison	17.5		Pathogens	M	Source Unknown	M	H	A fully supporting tributary, Harris Fork, is a reference stream.
TN08010205028	BROWNS CREEK	Madison	2.0		Habitat Alteration	M	Upstream Impoundment	M	L	Impacted by poor quality discharges from Graham Lake.
TN08010205031	BLACK CR	Crockett	63		Siltation	M	Agriculture Channelization	M M	L	
TN08010205ANDERSONBR	ANDERSON BRANCH	Madison	5		Siltation pH Oil & grease	S M M	Urb. runoff/storm sewers Industrial Point Source Land development	M M M	L	Area impacts include Ormet discharge.
TN08010206001	FORKED DEER RIVER	Dyer		78.7	Siltation Organic Enrichment/DO	H S	Agriculture Channelization	H H	L	

1998 303(d) LIST (cont.)

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	Partial	Not	CAUSE (Pollutant)	Mag	Pollutant Source	Mag	TMDL	COMMENTS
TN08010207 015	TUSCUMBIA RIVER CANAL	Mc Nairy	56.6		Siltation	M	Agriculture Sources outside of state Channelization	M M M	L	Channelization in Mississippi. Mississippi should do TMDL.
TN08010207 031	CYPRESS CR INCL MUDDY CR	Mc Nairy	318.9		Siltation	M	Agriculture Hwy/road/bridge Urb. runoff/storm sewers Channelization	M M S M	L	Impacts around Selmer.
TN08010208 002	EAST FORK HURRICANE CREEK	Tipton		2.0	Flow Alteration	H	Upstream impoundment	H	L	Glenn Springs Lake's poor quality releases impacts downstream uses.
TN08010208 004	HATCHIE RIVER Flat and Richland Creeks are partially supporting.	Haywood	54.3		Organic Enrichment/DO Habitat Alteration	M M	Agriculture Channelization	M M	L	The Division has no current data on this stream- relisted at EPA's request.
TN08010208 009	POPLAR CR	Haywood	68.5		Siltation	M	Agriculture Channelization	M M	L	
TN08010208 011	BEAR CR	Haywood	71.8		Siltation	M	Agriculture Channelization	M M	L	
TN08010208 012	HATCHIE RIVER Hickory Cr is partial.	Haywood	23.9		Siltation	M	Bank Destabilization	M	L	
TN08010208 024	POR TER'S CR	Hardeman	114		Siltation	M	Channelization	M	L	
TN08010208 027	PINEY CREEK	Hardeman	88.4		Siltation	M	Filling of Wetlands Golf Course Construction	M	L	
TN08010208 029	CLOVER CR	Hardeman	167.8		Siltation	M	Channelization Agriculture	M M	L	
TN08010208 031	SUGAR CR	Haywood	28.4		Siltation	M	Agriculture Urb. runoff/storm sewers	M M	L	Brownsville area impacts.
TN08010208 034	CANE CREEK	Lauderdale	166.8		Siltation Pathogens Habitat Alteration Metals	M M M M	Agriculture Collection System Failure Channelization Industrial Point Source	M S M M	H	
TN08010208 Mccool#1	McCOOL LAKE Number One	Haywood	18.0 ac		Nutrients	M	Natural	M	L	The Division has no recent data on this lake- relisted at EPA's request.
TN08010208 Mccool#2	McCOOL LAKE Number Two	Haywood	42.0 ac		Nutrients	M	Natural	M	L	The Division has no recent data on this lake- relisted at EPA's request.

1998 303(d) LIST (cont.)

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

Waterbody ID	Impacted Waterbody	County	Partial	Not	CAUSE (Pollutant)	Mag	Pollutant Source	Mag	TMDL	COMMENTS
TN08010100 00102.3	MISSISSIPPI RIVER From MS state line to confluence of Loosahatchie River.	Shelby		27	Pesticides Siltation PCBs Dioxin	M H M M	Sources outside the state Agriculture Urb. runoff/storm sewers Dredging Contaminated Sediments	M H M M H	NA	EPA should develop TMDL for this large interstate water.
TN08010100 002	MC KELLAR LAKE	Shelby		7.0	Pesticides PCBs Pathogens Dioxin	H M S H	Collection system failure Construction Urb. runoff/storm sewers Dredging Contaminated Sediment	M S M S H	L	Fishing advisory originally due to chlordane. McKeellar Lake is not really a lake.
TN08010100 005	MISSISSIPPI RIVER From confluence of Loosahatchie River to confluence of Hatchie R.	Shelby	37.3		Pesticides PCBs Dioxin Siltation	M M M S	Contaminated Sediment Agriculture Sources from other states Dredging	M M M M	NA	EPA should develop TMDL for this large interstate water
TN08010100 010	MISSISSIPPI RIVER From confluence of Hatchie River to confluence of Obion River.	Lauderdale	49.9		Pesticides PCBs Dioxin Siltation	S S S M	Contaminated Sediment Sources from Other State Agriculture Dredging	M M M S	NA	EPA should develop TMDL for this large interstate water
TN08010100 018	MISSISSIPPI RIVER From confluence of Obion River to KY state line.	Dyer	61.1		Pesticides PCBs Dioxin Siltation	S S S M	Contaminated Sediment Source from Other States Agriculture Dredging	M M M S	NA	Fish tissue samples from Tiptonville have indicated elevated contaminant levels. EPA should develop TMDL for this large interstate water
TN08010100 019	BLUE BANK BAYOU	Lake	48.5		Nutrients Siltation	M H	Agriculture	H	L	
TN08010100 0326.7	MISSISSIPPI RIVER From KY/MO line to KY line (Bessie Bend area).	Lake	8.2		Pesticides PCBs Dioxin Siltation	S S S M	Contaminated Sediment Source from Other States Agriculture Dredging	M M M S	NA	EPA should develop TMDL for this large interstate water
TN08010100 POPULART	POPLAR TREE LAKE	Shelby		125 ac	Nutrients	H	Agriculture	H	L	
TN08010100 WOLF HARBOR OR	WOLF RIVER HARBOR	Shelby		2	Dioxin PCBs Pesticides Siltation	M M H M	Contaminated Sediment Urb. runoff/storm sewers Land development	H M M M	L	Old mouth of Wolf River near Mud Island.

1998 303(d) LIST (cont.)

Memphis Area Basin This basin contains the following USGS Hydrologic Unit Codes: 08010209 (Loosahatchie Riv.), 08010210 (Wolf River) and 08010211 (Noncannah Cr).

Waterbody ID	Impacted Waterbody	County	Partial	Not	CAUSE (Pollutant)	Mag	Pollutant Source	Mag	TMDL	COMMENTS
TN08010209 001	LOOSAHATCHIE RIVER- From mouth to Big Cr is not supporting. Todd Br is partially supporting.	Shelby	6.3	29.6	PCBs Dioxin Pesticides Pathogens Siltation	H H H H H	Contaminated sediment Collection system failure Urb. runoff/storm sewers Agriculture Channelization	H M H M H	H	Fishing advisory originally due to chlordane.
TN08010209 002	LOOSAHATCHIE RIVER- From Big Cr to Hwy 14 is not supporting. From Hwy 14 to Cypress Cr is partially supporting. Oliver Cr is partial.	Shelby	48.9	79.6	Pesticides PCBs Dioxin Siltation Nutrients Pathogens	H H H M M S	Contaminated sediment Agriculture Urb. runoff/storm sewers Land development	H S H H	H	
TN08010209 003	CYPRESS CREEK-	Shelby	128.7		Pathogens Siltation Nutrients	M M M	Confined animal feeding area (point source) Channelization	M M M	H	
TN08010209 004	LOOSAHATCHIE R- Black Ankle Cr is partial.	Shelby	27.6		Organic enrichment/DO	M	Agriculture	M	L	
TN08010209 016	BEAVER CREEK	Shelby	299.2		Nutrients Siltation	M M	Agriculture	M	L	Site of 319 Program nonpoint source study.
TN08010209 021	BIG CREEK- From mouth to Big Crooked Cr is partial.	Shelby	117.5		Organic enrichment/DO Siltation Nutrients Pathogens	M M M M	Landfills Channelization Agriculture Urb. runoff/storm sewers	S M M M	H	Covington area impacts.
TN08010210 001	WOLF RIVER- From mouth to Fletcher Cr is not supporting. Harrington Cr is partially supporting. (pathogens)	Shelby	21.1	44.3	Pesticides PCBs Dioxin Siltation Pathogens	H H H M M	Contaminated sediments Urb. runoff/storm sewers	H M	H	
TN08010210 002	WOLF RIVER- From Fletcher Cr to Hwy 177 is not supporting.	Shelby		34.6	Pesticides PCBs Dioxin Pathogens Siltation Habitat Alteration	H H H M M M	Contaminated sediments Channelization Urb. runoff/storm sewers Land Development	H H H H	H	Fishing advisory on Wolf River.
TN08010210 005	GRISSUM CREEK	Fayette	36.6		Pathogens Nutrients Organic enrichment/DO	M M M	Agriculture Source in Other State	M M	H	
TN08010210 019	INDIAN CREEK Sandy Br is partially.	Hardeman	4.8		Siltation Suspended solids	M M	Agriculture Channelization	M M	L	
TN08010210 022	GRAY'S CREEK Grays and Mary's Cr are partial. Small portion of Mary's not supporting.	Shelby	88.2	2.0	Siltation Flow Alteration	M H	Agriculture Channelization Land development Upstream Impoundment	M M M H	L	Mary's Creek below Herb Parson's Lake impacted by lack of dam water releases.