BROAD River Basin

Part 5

Biologically impaired waters. Pollution/pollutant monitoring will place waters on Part 1 or Part 2.

Name & Description	Class	Index #	Subbasin	Total Miles (Acres)	Use Rating	Cause of Impairment	miles	acres	Approach	Potential Sources	Priority
Rivers, Streams and Creeks											
Walnut Creek From source to Green River	C	9-29-44	30802	8.3	PS	Historical listing for 'sediment' based on biological impairment	8.3		PPI	Agriculture	Low
Catheys Creek From dam at old Duke Power Co. Raw Water Supply Reservoir to S. Broad R.	C	9-41-13-(6)	30802	3.8	PS	Historical listing for 'sediment' based on biological impairment	3.8		PPI	Municipal Pretreatment (indirect dischargers) Agriculture	Low
Hollands Creek From Duke Power Co. old Auxiliary Raw Water Supply Intake to Catheys Creek	C	9-41-13-7-(3)	30802	2.5	NS	Cause Unknown	2.5		PPI	Municipal Pretreatment (indirect dischargers)	Low
Brushy Creek From SR 1323 Cleveland Co to First Broad	C	9-50-29b	30804	8.4	PS	Cause Unknown	8.4		PPI	Nonirrigated Crop Production	Low
Beaverdam Creek From source to First Broad River	C	9-50-32	30804	10.9	PS	Cause Unknown	10.9		PPI	Agriculture Construction	Low
Lick Branch From source to Buffalo Creek	C	9-53-11	30805	3.2	PS	Historical listing for 'sediment' based on biological impairment	3.2		PPI	Industrial Point Sources Agriculture	Low

BROAD Summary

Total waterbody-pollutant/pollution combination miles:	37.1
Total waterbody-pollutantpollution combination acres:	0
Number of waterbody-pollutant/pollution combinations:	6

Cape Fear River Basin

Part 1

Waters for which TMDLs are required.

Name & Description	Class	Index #	Subbasin	Total Miles (Acres)	Use Rating	Cause of Impairment	miles	acres	Approach	Potential Sources	Priority TMDL Status
Rivers, Streams and Creeks											
Little Troublesome Creek From Reidsville WWTP to Haw River	C NSW	16-7b	30601	5.0	NS	Fecal Coliform	5.0		TMDL	Urban Runoff/Storm Sewers	Medium Collecting flow data
Note: DWQ Special Watersheds Unit project watershed - The DWQ Special Watersheds Unit funded through a Clean Water Management Trust Fund grant will perform thorough assessment of watershed condition and develop a comprehensive restoration plan by 2003. USGS is collecting flow data for new gage. No longer impaired for turbidity. New chemical/physical data.											
Haw River From NC 87 to NC 49	C NSW	16-(1)d	30602	19.2	PS	Fecal Coliform	19.2		TMDL	Agriculture Urban Runoff/Storm Sewers	Low
Note: No longer impaired for cadmium. New chemical/physical data.											
North Buffalo Creek From source to above WWTP	C NSW	16-11-14-1a	30602	8.7	NS	Fecal Coliform	8.7		TMDL	Major Industrial Point Source Urban Runoff/Storm Sewers	Medium Development
Note: USGS is collecting flow data for new gage. No longer impaired for ammonia. New chemical/physical data.											
North Buffalo Creek From WWTP to Buffalo Creek	C NSW	16-11-14-1b	30602	8.1	NS	Ammonia	8.1		TMDL	Major Industrial Point Source Major Municipal Point Source Urban Runoff/Storm Sewers	Medium Development
Note: USGS is collecting flow data for new gage.											
Town Branch From source to Haw River	C NSW	16-17	30602	3.6	NR	Fecal Coliform	3.6		TMDL	Urban Runoff/Storm Sewers	Low
Note: No longer impaired for turbidity. New chemical/physical data.											
Robeson Creek From a point 0.3 mile upstream of mouth to B. Everett Jordan Lake, Haw River	WS-IV NSW CA	16-38-(5)	30604	0.6	PS	Chlorophyll-a	0.6		TMDL	Minor Municipal Point Source Urban Runoff/Storm Sewers	High
Note: 319 Program Incremental Project watershed. Currently there is no flow data. A rating curve is needed. The Town of Pittsboro is requesting an expansion to their discharge. This segment falls under HB 515. Probably a good candidate for a QUAL-2E model and study plan. Funding provided to the Haw River Assembly for watershed education and outreach.											
New Hope Creek From a point 0.3 mile upstream of Durham County SR 2220 to a point 0.8 mile downstream of Durham County SR 1107	WS-IV NSW	16-41-1-(11.5)	30605	24.5	PS	Fecal Coliform	24.5		TMDL	Major Municipal Point Source Urban Runoff/Storm Sewers	High Development
Note: Intensive fecal coliform monitoring in progress. Monitoring should be completed in Summer, 2000.											

Cape Fear River Basin

Part 1

Waters for which TMDLs are required.

Name & Description	Class	Index #	Subbasin	Total Miles (Acres)	Use Rating	Cause of Impairment	miles	acres	Approach	Potential Sources	Priority TMDL Status
Third Fork Creek From a point 2.0 miles upstream of N.C. Hwy. 54 to New Hope Creek	WS-IV NSW	16-41-1-12-(2)	30605	3.6	NR	Turbidity	3.6		TMDL		High
Note: Old use support assesment identified turbidity as a problem. DWQ does not have ambient data at this location. DWQ needs to verify turbidity as a cause of impairment or remove turbidity in order to correct the 1998 list error.											
Northeast Creek From N.C. Hwy. 55 to Durham Co. WWTP	WS-IV NSW	16-41-1-17-(0.7)a	30605	2.6	NR	Fecal Coliform	2.6		TMDL		High Development
Note: Index number on 1998 303(d) should have been -(0.7) not -(7). Intensive fecal coliform monitoring in progress. Monitoring should be completed in Summer, 2000. Sediment removed based on new biological information.											
Northeast Creek Durham Co. WWTP to a point 0.5 mile downstream of Panther Creek	WS-IV NSW	16-41-1-17-(0.7)b	30605	5.8	PS	Fecal Coliform	5.8		TMDL		High Development
Note: Index number on 1998 303(d) should have been -(0.7) not -(7). Intensive fecal coliform monitoring in progress. Monitoring should be completed in Summer, 2000. Sediment removed based on new biological information. No longer impaired for turbidity, copper. New chemical/physical data.											
East Fork Deep River From source to a point 0.4 mile downstream of Guilford County SR 1541	WS-IV *	17-2-(0.3)	30608	6.5	PS	Fecal Coliform	6.5		TMDL	Urban Runoff/Storm Sewers Industrial Permitted	High
Deep River From SR 1113 (Guilford) to SR 1921 (Randolph)	WS-IV CA *	17-(4)b	30608	6.8	PS	Fecal Coliform	6.8		TMDL	Urban Runoff/Storm Sewers	High
Note: This segment is scheduled to be impounded by Randleman Reservoir. Fecal coliform levels in the river may not be a good indicator of likely fecal coliform levels in the reservoir. Fecal coliform levels in the reservoir will be monitored after construction. No longer impaired for lindane or turbidity. New chemical/physical data.											
Richland Creek From source to a point 0.4 mile upstream of Guilford County SR 1154	WS-IV *	17-7-(0.5)	30608	6.4	NS	Fecal Coliform	6.4		TMDL	Urban Runoff/Storm Sewers	High
Note: A new ambient station needs to be established in this segment. The ambient station in 17-7-(4) used to identify fecal coliform as a cause of impairment in this segment will be impounded by Randleman Reservoir. No longer impaired for turbidity, copper, lindane. New chemical/physical data.											

Cape Fear River Basin

Part 1

Waters for which TMDLs are required.

Name & Description	Class	Index #	Subbasin	Total Miles (Acres)	Use Rating	Cause of Impairment	miles	acres	Approach	Potential Sources	Priority TMDL Status
Richland Creek From a point 0.4 mile upstream of Guilford County SR 1154 to Randleman Reservoir, Deep River	WS-IV CA *	17-7-(4)	30608	2.6	NS	Fecal Coliform	2.6		TMDL	Major Municipal Point Source Urban Runoff/Storm Sewers	High
Note: Some of this segment will be impounded by Randleman Reservoir. Fecal coliform levels in the river may not be a good indicator of likely fecal coliform levels in the reservoir. Fecal coliform levels in the reservoir will be monitored after construction. No longer impaired for turbidity, copper, lindane. New chemical/physical data.											
Muddy Creek From source to a point 0.5 mile upstream of mouth	WS-IV *	17-9-(1)	30608	5.6	FS	Fecal Coliform	5.6		TMDL		High
Muddy Creek From a point 0.5 mile upstream of mouth to Randleman Reservoir, Deep River	WS-IV CA *	17-9-(2)	30608	0.5	FS	Fecal Coliform	0.5		TMDL		High
South River From source to NC 13	C Sw	18-68-12-(0.5)a	30618	7.2	NR	Fish Advisory-Mercury	7.2		TMDL		Low
Note: Inappropriate biological rating corrected based on new biological information.											
South River From US 13 to Big Swamp	C Sw	18-68-12-(0.5)b	30618	29.5	FS	Fish Advisory-Mercury	29.5		TMDL		Low
South River From Big Swamp to Black River	C Sw ORW +	18-68-12-(8.5)	30618	34.2	FS	Fish Advisory-Mercury	34.2		TMDL		Medium
Black River From South River to Cape Fear River	C Sw ORW +	18-68b	30620	34.5	FS	Fish Advisory-Mercury	34.5		TMDL		High

Cape Fear River Basin

Part 1

Waters for which TMDLs are required.

Name & Description	Class	Index #	Subbasin	Total Miles (Acres)	Use Rating	Cause of Impairment	miles	acres	Approach	Potential Sources	Priority TMDL Status
Lakes											
Pittsboro Lake Chatham County	C-NSW	16-PITTSBORO LAKE_CHATHAM	30604	(38)	NS	Aquatic Weeds		38	TMDL		Medium
Greenfield Lake Entire Lake	C Sw	18-76-1	30617	1.3 (115)	NR	Nutrients	1.3	115	TMDL		High
Greenfield Lake Entire Lake	C Sw	18-76-1	30617	1.3 (115)	NR	Aquatic Weeds	1.3	115	TMDL		High
Bay Tree Lake (Black Lake) Bladen County	C-SW	18-BAY TREE LAKE_BLADEN	30618	(1400)	FS	Fish Advisory-Mercury		1,400	TMDL		Low

Cape Fear River Basin

Part 1

Waters for which TMDLs are required.

Name & Description	Class	Index #	Subbasin	Total Miles (Acres)	Use Rating	Cause of Impairment	miles	acres	Approach	Potential Sources	Priority TMDL Status
Ocean, Estuarine Areas											
Cape Fear (DEH Area)	SC	B10		(5000)	PS	Low Dissolved Oxygen		5,000	TMDL		High
Note: This segment was included under index number "B4" on 1998 list. DWQ and the regulated community are meeting on a regular basis to discuss the modeling approach and investigate funding sources for the TMDL addressing low dissolved oxygen.											
Atlantic Ocean The waters of the Atlantic Ocean contiguous to that portion of the Cape Fear River Basin that extends from the eastern edge of the Lumber River Basin to the eastern end of Oak Island.	SB	99-(2)	30617	(23230)	NR	Fish Advisory-Mercury		23,230	TMDL		Low
Note: Fish Advisory for King Mackerel posted 3-23-2000. North Carolina expects that US EPA will take the lead in developing a regional TMDL.											
Atlantic Ocean The waters of the Atlantic Ocean contiguous to that portion of the Cape Fear River Basin that extends from the edge of the White Oak River Basin to the southwestern end of Smith Island at a point called Baldhead.	SB	99-(3)	30617	(110980)	NR	Fish Advisory-Mercury		110,980	TMDL		Low
Note: Fish Advisory for King Mackerel posted 3-23-2000. North Carolina expects that US EPA will take the lead in developing a regional TMDL.											

Cape Fear River Basin

Part 4

Regulatory controls other than TMDLs expected to result in meeting standards by next listing.

Name & Description	Class	Index #	Subbasin	Total Miles (Acres)	Use Rating	Cause of Impairment	miles	acres	Approach	Potential Sources	Priority
Rivers, Streams and Creeks											
Haw River From NC 87 to NC 49	C NSW	16-(1)d	30602	19.2	PS	Turbidity	19.2		OTHER	Agriculture Urban Runoff/Storm Sewers	Low
Note: No longer impaired for cadmium. New chemical/physical data.											
South Buffalo Creek From US 70 to Buffalo Creek	C NSW	16-11-14-2c	30602	4.0	NS	Ammonia	4.0		OTHER	Major Municipal Point Source Urban Runoff/Storm Sewers	Medium
Note: USGS is collecting flow data for new gage. Revised NPDES permit limits for the upgraded T.Z. Osborne WWTP will address the impairment for ammonia.											
East Fork Deep River From source to a point 0.4 mile downstream of Guilford County SR 1541	WS-IV *	17-2-(0.3)	30608	6.5	PS	Turbidity	6.5		OTHER	Urban Runoff/Storm Sewers Industrial Permitted	High
East Fork Deep River From a point 0.4 mile downstream of Guilford County SR 1541 to High Point Lake, Deep River	WS-IV CA *	17-2-(0.7)	30608	0.6	PS	Turbidity	0.6		OTHER	Urban Runoff/Storm Sewers Industrial Permitted	High

Cape Fear River Basin

Part 5

Biologically impaired waters. Pollution/pollutant monitoring will place waters on Part 1 or Part 2.

Name & Description	Class	Index #	Subbasin	Total Miles (Acres)	Use Rating	Cause of Impairment	miles	acres	Approach	Potential Sources	Priority
Rivers, Streams and Creeks											
Haw River From source to SR 2109, Guilford	C NSW	16-(1)a	30601	7.7	PS	Historical listing for 'sediment' based on biological impairment	7.7		PPI	Agriculture	Low
Note: No longer impaired for fecal coliform. New chemical/physical data. Currently there is no flow data for this segment, nor is there a rating curve. This area is not in covered by the hydrologic model developed for the Jordan Lake watershed, so modeled flow estimates are not available. Flow data is a critical need for TMDL development.											
Haw River From SR 2109 to SR 2426, Guilford	C NSW	16-(1)b	30601	20.1	PS	Habitat Degradation	20.1		PPI	Agriculture	Low
Troublesome Creek From source to Rockingham County SR 2423	WS-III NSW	16-6-(0.3)	30601	15.6	PS	Habitat Degradation	15.6		PPI	Agriculture	High
Little Troublesome Creek From source to Reidsville WWTP	C NSW	16-7a	30601	3.3	PS	Historical listing for 'sediment' based on biological impairment	3.3		PPI	Urban Runoff/Storm Sewers	Low
Note: DWQ Special Watersheds Unit project watershed - The DWQ Special Watersheds Unit funded through a Clean Water Management Trust Fund grant will perform thorough assessment of watershed condition and develop a comprehensive restoration plan by 2003. USGS is collecting flow data for rating curve.											
Little Troublesome Creek From Reidsville WWTP to Haw River	C NSW	16-7b	30601	5.0	NS	Historical listing for 'sediment' based on biological impairment	5.0		PPI	Urban Runoff/Storm Sewers	Medium
Note: DWQ Special Watersheds Unit project watershed - The DWQ Special Watersheds Unit funded through a Clean Water Management Trust Fund grant will perform thorough assessment of watershed condition and develop a comprehensive restoration plan by 2003. USGS is collecting flow data for new gage. No longer impaired for turbidity. New chemical/physical data.											
Haw River From NC 87 to NC 49	C NSW	16-(1)d	30602	19.2	PS	Historical listing for 'sediment' based on biological impairment	19.2		PPI	Agriculture Urban Runoff/Storm Sewers	Low
Note: No longer impaired for cadmium. New chemical/physical data.											
Brush Creek From source to L. Higgins	WS-III NSW	16-11-4-(1)a	30602	5.6	PS	Habitat Degradation	5.6		PPI	Urban Runoff/Storm Sewers	High
Note: Inappropriate biological rating corrected based on new biological information.											

Cape Fear River Basin

Part 5

Biologically impaired waters. Pollution/pollutant monitoring will place waters on Part 1 or Part 2.

Name & Description	Class	Index #	Subbasin	Total Miles (Acres)	Use Rating	Cause of Impairment	miles	acres	Approach	Potential Sources	Priority
Horsepen Creek From source to U.S. Hwy. 220	WS-III NSW	16-11-5-(0.5)	30602	6.1	PS	Historical listing for 'sediment' based on biological impairment	6.1		PPI	Urban Runoff/Storm Sewers	High
Note: DWQ Special Watersheds Unit and Wetlands Restoration Program project watershed - The DWQ Special Watersheds Unit funded through a Clean Water Management Trust Fund grant will perform thorough assessment of watershed condition and develop a comprehensive restoration plan by 2003. Wetlands Restoration Program project aims to restore sinuosity and reconnect stream to floodplain in a highly-developing area. Will restore riparian area to protect from increased runoff. Water quality benefits: stable stream will decrease bank erosion and riparian area will slow runoff from slopes where heavy development is occurring.											
Horsepen Creek From U.S. Hwy. 220 to Lake Brandt, Reedy Fork	WS-III NSW CA	16-11-5-(2)	30602	1.6	PS	Habitat Degradation	1.6		PPI	Urban Runoff/Storm Sewers	High
Note: DWQ Special Watersheds Unit and Wetlands Restoration Program project watershed - The DWQ Special Watersheds Unit funded through a CWMTF grant will perform thorough assessment of watershed condition and develop a comprehensive restoration plan by 2003. Wetlands Restoration Program project aims to restore sinuosity and reconnect stream to floodplain in a highly-developing area. Will restore riparian area to protect from increased runoff. Water quality benefits: stable stream will decrease bank erosion and riparian area will slow runoff from slopes where heavy development is occurring.											
Reedy Fork (Hardys Mill Pond) From Buffalo Creek to Haw River	C NSW	16-11-(9)b	30602	8.6	PS	Cause Unknown	8.6		PPI	Major Industrial Point Source Major Municipal Point Source Urban Runoff/Storm Sewers Non-urban development	Low
North Buffalo Creek From source to above WWTP	C NSW	16-11-14-1a	30602	8.7	NS	Historical listing for 'sediment' based on biological impairment	8.7		PPI	Major Industrial Point Source Urban Runoff/Storm Sewers	Medium
Note: USGS is collecting flow data for new gage. No longer impaired for ammonia. New chemical/physical data.											
North Buffalo Creek From WWTP to Buffalo Creek	C NSW	16-11-14-1b	30602	8.1	NS	Habitat Degradation	8.1		PPI	Major Industrial Point Source Major Municipal Point Source Urban Runoff/Storm Sewers	Medium
Note: USGS is collecting flow data for new gage.											
South Buffalo Creek From source to McConnell Rd, Guilford	C NSW	16-11-14-2a	30602	14.8	PS	Historical listing for 'sediment' based on biological impairment	14.8		PPI	Urban Runoff/Storm Sewers	Low
Note: USGS is collecting flow data for new gage.											

Cape Fear River Basin

Part 5

Biologically impaired waters. Pollution/pollutant monitoring will place waters on Part 1 or Part 2.

Name & Description	Class	Index #	Subbasin	Total Miles (Acres)	Use Rating	Cause of Impairment	miles	acres	Approach	Potential Sources	Priority
South Buffalo Creek From McConnell Rd to US 70, Guilford	C NSW	16-11-14-2b	30602	3.3	NS	Historical listing for 'sediment' based on biological impairment	3.3		PPI	Urban Runoff/Storm Sewers	Medium
Note: USGS is collecting flow data for new gage. No longer impaired for ammonia or cadmium. New chemical/physical data.											
South Buffalo Creek From US 70 to Buffalo Creek	C NSW	16-11-14-2c	30602	4.0	NS	Historical listing for 'sediment' based on biological impairment	4.0		PPI	Major Municipal Point Source Urban Runoff/Storm Sewers	Medium
Note: USGS is collecting flow data for new gage. Revised NPDES permit limits for the upgraded T.Z. Osborne WWTP will address the impairment for ammonia.											
Little Alamance Creek (Gant Lake, Mays Lake) (Alamance County) From source to Big Alamance Creek	C NSW	16-19-11	30603	12.3	NS	Cause Unknown	12.3		PPI	Urban Runoff/Storm Sewers	Medium
Marys Creek From source to Haw River	C NSW	16-26	30604	9.7	PS	Habitat Degradation	9.7		PPI	Agriculture	Low
Robeson Creek From a point 0.7 mile downstream of Chatham County SR 2159 to a point 0.3 mile upstream of mouth	WS-IV NSW	16-38-(3)	30604	5.6	PS	Historical listing for 'sediment' based on biological impairment	5.6		PPI	Minor Municipal Point Source Urban Runoff/Storm Sewers	High
Note: 319 Incremental Project watershed. No longer impaired for pH, fecal coliform, chlorophyll a. New chemical/physical data.											
Robeson Creek From a point 0.3 mile upstream of mouth to B. Everett Jordan Lake, Haw River	WS-IV NSW CA	16-38-(5)	30604	0.6	PS	Habitat Degradation	0.6		PPI	Minor Municipal Point Source Urban Runoff/Storm Sewers	High
Note: 319 Program Incremental Project watershed. Currently there is no flow data. A rating curve is needed. The Town of Pittsboro is requesting an expansion to their discharge. This segment falls under HB 515. Probably a good candidate for a QUAL-2E model and study plan. Funding provided to the Haw River Assembly for watershed education and outreach.											
New Hope Creek From Sandy Creek to a point 0.3 mile upstream of Durham County SR 2220	C NSW	16-41-1-(0.5)b	30605	0.5	PS	Habitat Degradation	0.5		PPI	Urban Runoff/Storm Sewers	Low

Cape Fear River Basin

Part 5

Biologically impaired waters. Pollution/pollutant monitoring will place waters on Part 1 or Part 2.

Name & Description	Class	Index #	Subbasin	Total Miles (Acres)	Use Rating	Cause of Impairment	miles	acres	Approach	Potential Sources	Priority
New Hope Creek From a point 0.3 mile upstream of Durham County SR 2220 to a point 0.8 mile downstream of Durham County SR 1107	WS-IV NSW	16-41-1-(11.5)	30605	24.5	PS	Historical listing for 'sediment' based on biological impairment	24.5		PPI	Major Municipal Point Source Urban Runoff/Storm Sewers	High
Note: Intensive fecal coliform monitoring in progress. Monitoring should be completed in Summer, 2000.											
Third Fork Creek From source to a point 2.0 miles upstream of N.C. Hwy. 54	C NSW	16-41-1-12-(1)	30605	5.1	NR	Cause Unknown	5.1		PPI		Low
Northeast Creek From a point 0.5 mile downstream of Panther Creek to New Hope Creek Arm of B. Everett Jordan Lake	WS-IV NSW CA	16-41-1-17-(4)	30605	1.5	PS	Habitat Degradation	1.5		PPI	Urban Runoff/Storm Sewers Non-urban development	High
Little Creek From source to a point 0.7 mile downstream of Durham County SR 1110	WS-IV NSW	16-41-1-15-(0.5)	30606	5.4	NS	Habitat Degradation	5.4		PPI	Urban Runoff/Storm Sewers	High
Bolin Creek From U.S. Hwy. 501 Business to Little Creek	WS-IV NSW	16-41-1-15-1-(4)	30606	1.0	PS	Historical listing for 'sediment' based on biological impairment	1.0		PPI	Urban Runoff/Storm Sewers	High
Booker Creek (Eastwood Lake) From source to dam at Eastwood Lake	B NSW	16-41-1-15-2-(1)	30606	3.6	PS	Cause Unknown	3.6		PPI	Urban Runoff/Storm Sewers	Low
Booker Creek From dam at Eastwood Lake to U.S. Hwy. 15	C NSW	16-41-1-15-2-(4)	30606	1.2	PS	Cause Unknown	1.2		PPI	Urban Runoff/Storm Sewers	Low
Booker Creek From U.S. Hwy. 15 to Little Creek	WS-IV NSW	16-41-1-15-2-(5)	30606	0.8	PS	Cause Unknown	0.8		PPI	Urban Runoff/Storm Sewers	High
Little Creek From a point 0.7 mile downstream of Durham County SR 1110 to New Hope Creek	WS-IV NSW CA	16-41-1-15-(3)	30606	0.7	PS	Habitat Degradation	0.7		PPI	Urban Runoff/Storm Sewers	High

Cape Fear River Basin

Part 5

Biologically impaired waters. Pollution/pollutant monitoring will place waters on Part 1 or Part 2.

Name & Description	Class	Index #	Subbasin	Total Miles (Acres)	Use Rating	Cause of Impairment	miles	acres	Approach	Potential Sources	Priority
Morgan Creek From Meeting of the Waters to Chatham County SR 1726 (Durham County SR 1109)	WS-IV NSW	16-41-2-(5.5)b	30606	4.5	PS	Historical listing for 'sediment' based on biological impairment	4.5		PPI	Urban Runoff/Storm Sewers	High
Meeting Of The Waters From source to Morgan Creek	WS-IV NSW	16-41-2-7	30606	1.4	NS	Historical listing for 'sediment' based on biological impairment	1.4		PPI	Urban Runoff/Storm Sewers	High
Morgan Creek (including the Morgan Creek Arm of New Hope River Arm of B. Everett Jordan Lake) From Chatham County SR 1726 (Durham County SR 1109) to New Hope Creek Arm of New Hope River Arm of B. Everett Jordan Lake	WS-IV NSW CA	16-41-2-(9.5)	30606	0.6	PS	Historical listing for 'sediment' based on biological impairment	0.6		PPI	Urban Runoff/Storm Sewers	High
Gulf Creek From source to clay pit below SR 1924, Chatham	WS-IV	18-5-(1)a	30607	2.7	PS	Cause Unknown	2.7		PPI		High
Gulf Creek From clay pit below SR 1924, Chatham to 0.2 miles above Cape Fear River	WS-IV	18-5-(1)b	30607	2.9	NS	Historical listing for 'sediment' based on biological impairment	2.9		PPI	Resource Extraction	High
Gulf Creek From a point 0.2 mile upstream of mouth to Cape Fear River	WS-IV CA	18-5-(2)	30607	0.2	PS	Habitat Degradation	0.2		PPI	Resource Extraction	High
Kenneth Creek From source to Wake-Harnett County Line	C	18-16-1-(1)	30607	3.7	NS	Cause Unknown	3.7		PPI	Major Municipal Point Source Urban Runoff/Storm Sewers	Low
Kenneth Creek From Wake-Harnett County Line to Neills Creek	WS-IV	18-16-1-(2)	30607	3.6	NS	Cause Unknown	3.6		PPI	Major Municipal Point Source Urban Runoff/Storm Sewers	High

Cape Fear River Basin

Part 5

Biologically impaired waters. Pollution/pollutant monitoring will place waters on Part 1 or Part 2.

Name & Description	Class	Index #	Subbasin	Total Miles (Acres)	Use Rating	Cause of Impairment	miles	acres	Approach	Potential Sources	Priority
East Fork Deep River From source to a point 0.4 mile downstream of Guilford County SR 1541	WS-IV *	17-2-(0.3)	30608	6.5	PS	Habitat Degradation	6.5		PPI	Urban Runoff/Storm Sewers Industrial Permitted	High
East Fork Deep River From a point 0.4 mile downstream of Guilford County SR 1541 to High Point Lake, Deep River	WS-IV CA *	17-2-(0.7)	30608	0.6	PS	Habitat Degradation	0.6		PPI	Urban Runoff/Storm Sewers Industrial Permitted	High
Deep River From dam at High Point Lake to Guilford County SR 1334	WS-IV *	17-(3.3)	30608	1.3	PS	Cause Unknown	1.3		PPI	Urban Runoff/Storm Sewers	High
Deep River From Guilford County SR 1334 to dam at Oakdale Cotton Mills, Inc. (Town of Jamestown water supply intake)	WS-IV CA *	17-(3.7)	30608	0.9	PS	Cause Unknown	0.9		PPI	Urban Runoff/Storm Sewers	High
Deep River From dam at Oakdale Cotton Mills, Inc. to SR 1113, Guilford Co.	WS-IV CA *	17-(4)a	30608	2.0	PS	Cause Unknown	2.0		PPI	Urban Runoff/Storm Sewers	High
Deep River From SR 1113 (Guilford) to SR 1921 (Randolph)	WS-IV CA *	17-(4)b	30608	6.8	PS	Cause Unknown	6.8		PPI	Urban Runoff/Storm Sewers	High
Note: This segment is scheduled to be impounded by Randleman Reservoir. Fecal coliform levels in the river may not be a good indicator of likely fecal coliform levels in the reservoir. Fecal coliform levels in the reservoir will be monitored after construction. No longer impaired for lindane or turbidity. New chemical/physical data.											
Richland Creek From source to a point 0.4 mile upstream of Guilford County SR 1154	WS-IV *	17-7-(0.5)	30608	6.4	NS	Historical listing for 'sediment' based on biological impairment	6.4		PPI	Urban Runoff/Storm Sewers	High
Note: A new ambient station needs to be established in this segment. The ambient station in 17-7-(4) used to identify fecal coliform as a cause of impairment in this segment will be impounded by Randleman Reservoir. No longer impaired for turbidity, copper, lindane. New chemical/physical data.											

Cape Fear River Basin

Part 5

Biologically impaired waters. Pollution/pollutant monitoring will place waters on Part 1 or Part 2.

Name & Description	Class	Index #	Subbasin	Total Miles (Acres)	Use Rating	Cause of Impairment	miles	acres	Approach	Potential Sources	Priority
Richland Creek From a point 0.4 mile upstream of Guilford County SR 1154 to Randleman Reservoir, Deep River	WS-IV CA *	17-7-(4)	30608	2.6	NS	Historical listing for 'sediment' based on biological impairment	2.6		PPI	Major Municipal Point Source Urban Runoff/Storm Sewers	High
Note: Some of this segment will be impounded by Randleman Reservoir. Fecal coliform levels in the river may not be a good indicator of likely fecal coliform levels in the reservoir. Fecal coliform levels in the reservoir will be monitored after construction. No longer impaired for turbidity, copper, lindane. New chemical/physical data.											
Hickory Creek From source to a point 0.6 mile upstream of mouth	WS-IV *	17-8.5-(1)	30608	3.9	PS	Habitat Degradation	3.9		PPI		High
Hickory Creek From a point 0.6 mile upstream of mouth to Randleman Reservoir, Deep River	WS-IV CA *	17-8.5-(3)	30608	0.6	PS	Habitat Degradation	0.6		PPI	Agriculture Non-urban development	High
Haskett Creek From source to SR 2149	C	17-12a	30609	5.9	NS	Cause Unknown	5.9		PPI	Urban Runoff/Storm Sewers	Low
Haskett Creek From SR 2149 to Deep River	C	17-12b	30609	1.3	NS	Cause Unknown	1.3		PPI	Urban Runoff/Storm Sewers	Low
Note: No longer impaired for fecal coliform or copper. New chemical/physical data.											
Cabin Creek From Cotton Creek to SR 1281, Moore	WS-III	17-26-5-(1)b	30610	2.3	PS	Cause Unknown	2.3		PPI	Minor Municipal Point Source	High
Cotton Creek From source to Star WWTP	WS-III	17-26-5-3a	30610	0.5	NR	Cause Unknown	0.5		PPI		High
Cotton Creek From Star WWTP to Lick Creek	WS-III	17-26-5-3b	30610	2.2	NS	Cause Unknown	2.2		PPI	Minor Municipal Point Source	High
Cotton Creek From Lick Creek to Cabin Creek	WS-III	17-26-5-3c	30610	3.9	PS	Cause Unknown	3.9		PPI	Minor Municipal Point Source	High
Rocky River From source to Rocky River Reservoir	WS-III	17-43-(1)a	30612	10.6	PS	Habitat Degradation	10.6		PPI	Agriculture Pasture grazing - Riparian and/or Upland	High

Cape Fear River Basin

Part 5

Biologically impaired waters. Pollution/pollutant monitoring will place waters on Part 1 or Part 2.

Name & Description	Class	Index #	Subbasin	Total Miles (Acres)	Use Rating	Cause of Impairment	miles acres	Approach	Potential Sources	Priority
Loves Creek From source to US 421	C	17-43-10a	30612	3.1	NR	Cause Unknown	3.1	PPI		Low
Loves Creek From US 421 to Siler City WWTP	C	17-43-10b	30612	2.8	PS	Cause Unknown	2.8	PPI	Urban Runoff/Storm Sewers	Low
Loves Creek From Siler City WWTP to Rocky River	C	17-43-10c	30612	0.5	NS	Cause Unknown	0.5	PPI	Major Municipal Point Source Urban Runoff/Storm Sewers	Low
Crane Creek (Crains Creek) From source to Lake Surf	WS-III	18-23-16a	30614	28.3	PS	Habitat Degradation	28.3	PPI	Agriculture	High
Cross Creek (Big Cross Creek) (Texas Pond, Smith Lake, Rose Lake) From source to a point 0.5 mile upstream of water supply intake at Murchison Road in Fayetteville	WS-IV	18-27-(1)	30615	9.0	NS	Historical listing for 'sediment' based on biological impairment	9.0	PPI	Urban Runoff/Storm Sewers	High
Cross Creek (Big Cross Creek) From a point 0.5 mile upstream of water supply intake to water supply intake at Murchison Road in Fayetteville	WS-IV CA	18-27-(2.5)	30615	0.5	NS	Habitat Degradation	0.5	PPI	Urban Runoff/Storm Sewers	High
Cross Creek (Big Cross Creek) From water supply intake at Murchison Road in Fayetteville to Cape Fear River	C	18-27-(3)	30615	3.5	NS	Historical listing for 'sediment' based on biological impairment	3.5	PPI	Urban Runoff/Storm Sewers	Low
Note: No longer impaired for lead. New chemical/physical data.										
Little Cross Creek (Bonnie Doone Lake, Kornbow Lake, Mintz Pond) From source to a point 0.5 mile upstream of backwaters of Glenville Lake	WS-IV	18-27-4-(1)	30615	7.0	PS	Cause Unknown	7.0	PPI	Urban Runoff/Storm Sewers	High
Note: Inappropriate biological rating corrected based on new biological information. However, stream has been rated using data from a downstream location and will remain partially supporting.										

Cape Fear River Basin

Part 5

Biologically impaired waters. Pollution/pollutant monitoring will place waters on Part 1 or Part 2.

Name & Description	Class	Index #	Subbasin	Total Miles (Acres)	Use Rating	Cause of Impairment	miles	acres	Approach	Potential Sources	Priority
Little Cross Creek (Bonnie Doone Lake, Kornbow Lake, Mintz Pond) From source to a point 0.5 mile upstream of backwaters of Glenville Lake	WS-IV	18-27-4-(1)	30615	7.0	PS	Habitat Degradation	7.0		PPI	Urban Runoff/Storm Sewers	High
Note: Inappropriate biological rating corrected based on new biological information. However, stream has been rated using data from a downstream location and will remain partially supporting.											
Little Cross Creek (Glenville Lake) From a point 0.5 mile upstream of backwaters of Glenville Lake to dam at Glenville Lake	WS-IV CA	18-27-4-(1.5)	30615	0.5	PS	Habitat Degradation	0.5		PPI	Urban Runoff/Storm Sewers	High
Little Cross Creek From dam at Glenville Lake to Cross Creek	C	18-27-4-(2)	30615	0.3	PS	Habitat Degradation	0.3		PPI	Urban Runoff/Storm Sewers	Low
Browns Creek (Cross Pond) From source to Cape Fear River	C	18-45	30616	8.5	NS	Cause Unknown	8.5		PPI	Collection System Failure Urban Runoff/Storm Sewers	Medium
Cape Fear River From raw water supply intake at Federal Paper Board Corporation (Riegelwood) to Bryant Mill Creek	C Sw	18-(63)a	30617	3.8	PS	Cause Unknown	3.8		PPI	Major Industrial Point Source	High
Black River (Little Black River) (Popes Lake, Rhodes Pond) From source to I-95	C Sw	18-68-12-1a	30618	31.6	NR	Cause Unknown	31.6		PPI		Low
Black River (Little Black River) (Popes Lake, Rhodes Pond) From source to I-95	C Sw	18-68-12-1a	30618	31.6	NR	Historical listing for 'sediment' based on biological impairment	31.6		PPI		Low
Stewarts Creek From soruce to Six Runs Creek	C Sw	18-68-2-10	30619	15.0	PS	Cause Unknown	15.0		PPI	Natural Sources	Low
Muddy Creek From source to Northeast Cape Fear River	C Sw	18-74-25	30622	14.0	PS	Cause Unknown	14.0		PPI		Low

Cape Fear River Basin

Part 5

Biologically impaired waters. Pollution/pollutant monitoring will place waters on Part 1 or Part 2.

Name & Description	Class	Index #	Subbasin	Total Miles (Acres)	Use Rating	Cause of Impairment	miles	acres	Approach	Potential Sources	Priority
Rock Fish Creek (New Kirk Pond) From Swift-Eckrich to SR 1165, Duplin	C Sw	18-74-29b	30622	5.3	PS	Habitat Degradation	5.3		PPI	Major Industrial Point Source Habitat Modification (other than Hydromodification) Bank or Shoreline Modification/Destabilization	Low
Rock Fish Creek (New Kirk Pond) From SR 1165, Duplin to Little Rockfish Cr.	C Sw	18-74-29c	30622	3.4	PS	Historical listing for 'sediment' based on biological impairment	3.4		PPI	Major Industrial Point Source Habitat Modification (other than Hydromodification) Bank or Shoreline Modification/Destabilization	Low
Note: No longer impaired for fecal coliform or copper. New chemical/physical data.											
Burgaw Creek From Osgood Branch to Northeast Cape Fear River	C Sw	18-74-39b	30623	9.5	NS	Historical listing for 'sediment' based on biological impairment	9.5		PPI	Minor Municipal Point Source Urban Runoff/Storm Sewers	High
Note: Inappropriate biological rating corrected based on new biological information. However, stream has been rated using data from a downstream location and will remain PS.											
Burgaw Creek From Osgood Branch to Northeast Cape Fear River	C Sw	18-74-39b	30623	9.5	NS	Cause Unknown	9.5		PPI	Minor Municipal Point Source Urban Runoff/Storm Sewers	High
Note: Inappropriate biological rating corrected based on new biological information. However, stream has been rated using data from a downstream location and will remain PS.											
Burnt Mill Creek From source to Smith Creek	C Sw	18-74-63-2	30623	4.8	NS	Historical listing for 'sediment' based on biological impairment	4.8		PPI	Urban Runoff/Storm Sewers Dredging	High
Note: Wetlands Restoration project in Wilmington. Watershed Analysis to be performed in this urban watershed. Objective will be to identify water quality problems in watershed and provide solutions to these problems in the form of project sites.											

Cape Fear River Basin

Part 6

The proper technical conditions do not yet exist to develop TMDLs.

Name & Description	Class	Index #	Subbasin	Total Miles (Acres)	Use Rating	Cause of Impairment	miles	acres	Approach	Potential Sources	Priority
Ocean, Estuarine Areas											
Southport (DEH Area)	SC	B1		(1125)	PS	Fecal Coliform		1,125	HOLD	Municipal Point Sources Urban Runoff/Storm Sewers Marinas	High
Buzzard Bay (DEH Area)	SA	B2		(115)	PS	Fecal Coliform		115	HOLD	Natural Sources Waterfowl	Low
The Basin (DEH Area)	SA	B3		(1)	PS	Fecal Coliform		1	HOLD	Onsite Wastewater Systems (Septic Tanks)	Low
Cape Fear (DEH Area)	SA	B4		(970)	PS	Fecal Coliform		970	HOLD	Major Industrial Point Source Minor Industrial Point Source Package Plants (Small Flows) Urban Runoff/Storm Sewers	High
Myrtle Sound (DEH Area)	SA	B5		(113)	PS	Fecal Coliform		113	HOLD	Urban Runoff/Storm Sewers Marinas	Low
Masonboro Sound (DEH Area)	SA ORW	B6		(282)	PS	Fecal Coliform		282	HOLD	Agriculture Urban Runoff/Storm Sewers Marinas	Medium
Wrightsville Beach (DEH Area)	SB #	B7		(175)	PS	Fecal Coliform		175	HOLD	Collection System Failure Urban Runoff/Storm Sewers Onsite Wastewater Systems (Septic Tanks) Marinas	High
Topsail Sound (DEH Area)	SA ORW	B8		(676)	PS	Fecal Coliform		676	HOLD	Urban Runoff/Storm Sewers Onsite Wastewater Systems (Septic Tanks) Marinas Natural Sources Waterfowl	High

Cape Fear River Basin

Part 6

The proper technical conditions do not yet exist to develop TMDLs.

Name & Description	Class	Index #	Subbasin	Total Miles (Acres)	Use Rating	Cause of Impairment	miles	acres	Approach	Potential Sources	Priority
Stump Sound (DEH Area)	SA ORW	B9		(145)	PS	Fecal Coliform		145	HOLD	Municipal Point Sources Onsite Wastewater Systems (Septic Tanks)	Medium
Note: No longer impaired for dissolved oxygen. New physical/chemical data.											

Cape Fear Summary

Total waterbody-pollutant/pollution combination miles:	730.1
Total waterbody-pollutantpollution combination acres:	144,480
Number of waterbody-pollutant/pollution combinations:	116

Catawba River Basin

Part 1

Waters for which TMDLs are required.

Name & Description	Class	Index #	Subbasin	Total Miles (Acres)	Use Rating	Cause of Impairment	miles	acres	Approach	Potential Sources	Priority TMDL Status
Rivers, Streams and Creeks											
Harper Creek From source to Wilson Creek	C Tr ORW	11-38-34-14	30831	9.0	FS	Sediment	9.0		TMDL		Low
Note: DWQ originally placed this water on the 303(d) list based on anecdotal information. DWQ does not have data indicating impairment (biological or other). DWQ will monitor this water and confirm impairment before developing a restoration plan.											
Sugar Creek From SR 1156 Mecklenburg, to HWY 51	C	11-137b	30834	11.9	PS	Fecal Coliform	11.9		TMDL	Urban Runoff/Storm Sewers	Low Development
Sugar Creek From Hwy 51 to NC/SC border	C	11-137c	30834	1.2	PS	Fecal Coliform	1.2		TMDL	Urban Runoff/Storm Sewers	Low Development
Irwin Creek From source to Sugar Creek	C	11-137-1	30834	11.8	PS	Fecal Coliform	11.8		TMDL	Industrial Point Sources Municipal Point Sources Urban Runoff/Storm Sewers	Low Development
Note: This segment includes two segments that were listed on the 1998 list as 11-137-1 and 11-137-1b.											
Little Sugar Creek From source to Archdale Rd	C	11-137-8a	30834	11.8	PS	Fecal Coliform	11.8		TMDL	Municipal Point Sources Urban Runoff/Storm Sewers	Low Development
Little Sugar Creek From Arcdale Rd to NC 51	C	11-137-8b	30834	5.3	PS	Fecal Coliform	5.3		TMDL	Municipal Point Sources Urban Runoff/Storm Sewers	Low Development
Note: No longer impaired for ammonia. New chemical/physical data.											
Little Sugar Creek From NC 51 to state line	C	11-137-8c	30834	3.6	PS	Fecal Coliform	3.6		TMDL	Municipal Point Sources Urban Runoff/Storm Sewers	Low Development
McAlpine Creek From source to SR 3356, (Sardis Rd)	C	11-137-9a	30834	8.3	PS	Fecal Coliform	8.3		TMDL	Urban Runoff/Storm Sewers	Low Development
McAlpine Creek From SR 3356 to NC 51	C	11-137-9b	30834	6.3	PS	Fecal Coliform	6.3		TMDL	Urban Runoff/Storm Sewers	Low Development
McAlpine Creek From NC 51 to NC 521	C	11-137-9c	30834	4.7	PS	Fecal Coliform	4.7		TMDL	Urban Runoff/Storm Sewers	Low Development

Catawba River Basin

Part 1

Waters for which TMDLs are required.

Name & Description	Class	Index #	Subbasin	Total Miles (Acres)	Use Rating	Cause of Impairment	miles	acres	Approach	Potential Sources	Priority TMDL Status
McAlpine Creek From NC Hwy 521 to NC/SC stateline	C	11-137-9d	30834	1.1	PS	Fecal Coliform	1.1		TMDL	Urban Runoff/Storm Sewers	Low Development
Note: No longer impaired for ammonia. New chemical/physical data.											
Clark Creek From a point 0.9 mile upstream of Walker Creek to South Fork Catawba R.	WS-IV	11-129-5-(9.5)	30835	1.7	PS	Copper	1.7		TMDL	Industrial Point Sources Urban Runoff/Storm Sewers	High
Note: DWQ Special Watersheds Unit project watershed - The DWQ Special Watersheds Unit funded through a Clean Water Management Trust Fund grant will perform thorough assessment of watershed condition and develop a comprehensive restoration plan by 2003. A flow rating curve exists at the ambient site. Most of the creek is considered impaired although we only have a pollutant identified for the most downstream portion.											
Clark Creek From a point 0.9 mile upstream of Walker Creek to South Fork Catawba R.	WS-IV	11-129-5-(9.5)	30835	1.7	PS	Fecal Coliform	1.7		TMDL	Industrial Point Sources Urban Runoff/Storm Sewers	High
Note: DWQ Special Watersheds Unit project watershed - The DWQ Special Watersheds Unit funded through a Clean Water Management Trust Fund grant will perform thorough assessment of watershed condition and develop a comprehensive restoration plan by 2003. A flow rating curve exists at the ambient site. Most of the creek is considered impaired although we only have a pollutant identified for the most downstream portion.											
Crowders Creek SR 1108 to NC 321	C	11-135e	30837	1.4	PS	Fecal Coliform	1.4		TMDL	Urban Runoff/Storm Sewers	Low
Note: A flow rating curve exists at the ambient site. Most of the creek is considered impaired although we only have pollutants identified for the most downstream portion. There is considerable local interest in this creek, including the Catawba Riverkeeper®. The Riverkeeper® and Gaston County have begun collecting samples for fecal coliform bacteria.											
Crowders Creek NC 321- SR 2424	C	11-135f	30837	1.4	PS	Fecal Coliform	1.4		TMDL	Industrial Point Sources Urban Runoff/Storm Sewers	Low
Note: A flow rating curve exists at the ambient site. Most of the creek is considered impaired although we only have pollutants identified for the most downstream portion. There is considerable local interest in this creek, including the Catawba Riverkeeper®. The Riverkeeper® and Gaston County have begun collecting samples for fecal coliform bacteria.											
Crowders Creek SR 2424 to NC/SC line	C	11-135g	30837	0.8	PS	Fecal Coliform	0.8		TMDL	Industrial Point Sources Urban Runoff/Storm Sewers	Low
Note: A flow rating curve exists at the ambient site. Most of the creek is considered impaired although we only have pollutants identified for the most downstream portion. There is considerable local interest in this creek, including the Catawba Riverkeeper®. The Riverkeeper® and Gaston County have begun collecting samples for fecal coliform bacteria.											

Catawba River Basin

Part 4

Regulatory controls other than TMDLs expected to result in meeting standards by next listing.

Name & Description	Class	Index #	Subbasin	Total Miles (Acres)	Use Rating	Cause of Impairment	miles	acres	Approach	Potential Sources	Priority
Rivers, Streams and Creeks											
Mackey Creek From US 70 to Catawba River	C	11-15-(3.5)b	30830	0.6	PS	Effluent Toxicity	0.6		OTHER	Industrial Point Sources	Low
Note: Metal Industries discharges into this creek. Metal Industries is currently under SOC. Discharger is expected to cease discharging 10-1-2000. DWQ does not have flow data. Specific cause of effluent toxicity is not known.											
Lower Creek From Zack's Fork to Caldwell Co SR 1143	C	11-39-(0.5)b	30831	4.8	PS	Turbidity	4.8		OTHER	Urban Runoff/Storm Sewers	Low
Note: Lower Creek is the focus of local studies coordinated by the WPCOG. The most recent study focused on fecal contamination and biological indicators. The WPCOG recommended nonpoint source controls for the watershed. Regional office staff believe high turbidity values are the result of sampling during and after storm events.											
Lower Creek From Caldwell County SR 1143 to a point 0.7 mile downstream of Bristol Creek	WS-IV	11-39-(6.5)	30831	6.6	PS	Turbidity	6.6		OTHER	Municipal Point Sources Urban Runoff/Storm Sewers Non-urban development	High
Note: Lower Creek is the focus of local studies coordinated by the WPCOG. The most recent study focused on fecal contamination and biological indicators. The WPCOG recommended nonpoint source controls for the watershed. Regional office staff believe high turbidity values are the result of sampling during and after storm events. No longer impaired for fecal coliform. New chemical/physical data.											
Lower Creek From a point 0.7 mile downstream of Bristol Creek to Rhodhiss Lake, Catawba River	WS-IV CA	11-39-(9)	30831	1.3	PS	Turbidity	1.3		OTHER	Municipal Point Sources Urban Runoff/Storm Sewers Non-urban development	High
Note: Lower Creek is the focus of local studies coordinated by the WPCOG. The most recent study focused on fecal contamination and biological indicators. The WPCOG recommended nonpoint source controls for the watershed. Regional office staff believe high turbidity values are the result of sampling during and after storm events.											
Long Creek From source to a point 0.6 mile downstream of Mecklenburg County SR 2074	C	11-120-(0.5)	30834	5.1	PS	Turbidity	5.1		OTHER	Land Development Urban Runoff/Storm Sewers	Low
Note: Long Creek has significant water chemistry data from DWQ and the Mecklenburg County Department of Environmental Protection (MCDEP). This area is part of the MCDEP Surface Water Impovement and Management (SWIM) initiative. This watershed is undergoing intense residential and commercial development resulting in the loss of vegetation. Future initiatives will be coordinated with MCDEP.											

Catawba River Basin

Part 4

Regulatory controls other than TMDLs expected to result in meeting standards by next listing.

Name & Description	Class	Index #	Subbasin	Total Miles (Acres)	Use Rating	Cause of Impairment	miles	acres	Approach	Potential Sources	Priority
Long Creek From a point 0.6 mile downstream of Mecklenburg County SR 2074 to a point 0.4 mile upstream of Mecklenburg County SR 1606	WS-IV	11-120-(2.5)	30834	8.4	PS	Turbidity	8.4		OTHER	Land Development Urban Runoff/Storm Sewers	High
Note: Long Creek has significant water chemistry data from DWQ and the Mecklenburg County Department of Environmental Protection (MCDEP). This area is part of the MCDEP Surface Water Impovement and Management (SWIM) initiative. This watershed is undergoing intense residential and commercial development resulting in the loss of vegetation. Future initiatives will be coordinated with MCDEP.											
Long Creek From a point 0.4 mile upstream of Mecklenburg County SR 1606 to Lake Wylie, Catawba River	WS-IV CA	11-120-(7)	30834	1.8	PS	Turbidity	1.8		OTHER	Land Development Urban Runoff/Storm Sewers	High
Note: Restoration efforts on this creek will be coordinated with Mecklenburg County.											
Sugar Creek From SR 1156 Mecklenburg, to HWY 51	C	11-137b	30834	11.9	PS	Turbidity	11.9		OTHER	Urban Runoff/Storm Sewers	Low
Sugar Creek From Hwy 51 to NC/SC border	C	11-137c	30834	1.2	PS	Turbidity	1.2		OTHER	Urban Runoff/Storm Sewers	Low
Irwin Creek From source to Sugar Creek	C	11-137-1	30834	11.8	PS	Turbidity	11.8		OTHER	Industrial Point Sources Municipal Point Sources Urban Runoff/Storm Sewers	Low
Note: This segment includes two segments that were listed on the 1998 list as 11-137-1 and 11-137-1b.											
Little Sugar Creek From NC 51 to state line	C	11-137-8c	30834	3.6	PS	Turbidity	3.6		OTHER	Municipal Point Sources Urban Runoff/Storm Sewers	Low
McAlpine Creek From source to SR 3356, (Sardis Rd)	C	11-137-9a	30834	8.3	PS	Turbidity	8.3		OTHER	Urban Runoff/Storm Sewers	Low
McAlpine Creek From SR 3356 to NC 51	C	11-137-9b	30834	6.3	PS	Turbidity	6.3		OTHER	Urban Runoff/Storm Sewers	Low
McAlpine Creek From NC 51 to NC 521	C	11-137-9c	30834	4.7	PS	Turbidity	4.7		OTHER	Urban Runoff/Storm Sewers	Low

Catawba River Basin

Part 4

Regulatory controls other than TMDLs expected to result in meeting standards by next listing.

Name & Description	Class	Index #	Subbasin	Total Miles (Acres)	Use Rating	Cause of Impairment	miles	acres	Approach	Potential Sources	Priority
McAlpine Creek From NC Hwy 521 to NC/SC stateline	C	11-137-9d	30834	1.1	PS	Turbidity	1.1		OTHER	Urban Runoff/Storm Sewers	Low
Note: No longer impaired for ammonia. New chemical/physical data.											
Henry Fork From SR 1143 to South Fork	C	11-129-1-(12.5)c	30835	8.0	FS	Turbidity	8.0		OTHER		Low
Note: Updated Use Support Rating. No longer impaired for fecal coliform. New physical/chemical data.											
Clark Creek From a point 0.9 mile upstream of Walker Creek to South Fork Catawba R.	WS-IV	11-129-5-(9.5)	30835	1.7	PS	Turbidity	1.7		OTHER	Industrial Point Sources Urban Runoff/Storm Sewers	High
Note: DWQ Special Watersheds Unit project watershed - The DWQ Special Watersheds Unit funded through a Clean Water Management Trust Fund grant will perform thorough assessment of watershed condition and develop a comprehensive restoration plan by 2003. A flow rating curve exists at the ambient site. Most of the creek is considered impaired although we only have a pollutant identified for the most downstream portion.											

Catawba River Basin

Part 5

Biologically impaired waters. Pollution/pollutant monitoring will place waters on Part 1 or Part 2.

Name & Description	Class	Index #	Subbasin	Total Miles (Acres)	Use Rating	Cause of Impairment	miles	acres	Approach	Potential Sources	Priority
Rivers, Streams and Creeks											
Coperning Creek From source to Marion WWTP	C	11-32-1-4a	30830	4.2	PS	Cause Unknown	4.2		PPI	Urban Runoff/Storm Sewers	Low
Coperning Creek From Marion WWTP to North Muddy Creek	C	11-32-1-4b	30830	0.5	PS	Cause Unknown	0.5		PPI	Municipal Point Sources Urban Runoff/Storm Sewers	Low
Lower Creek From Zack's Fork to Caldwell Co SR 1143	C	11-39-(0.5)b	30831	4.8	PS	Habitat Degradation	4.8		PPI	Urban Runoff/Storm Sewers	Low
Note: Lower Creek is the focus of local studies coordinated by the WPCOG. The most recent study focused on fecal contamination and biological indicators. The WPCOG recommended nonpoint source controls for the watershed. Regional office staff believe high turbidity values are the result of sampling during and after storm events.											
Zacks Fork Creek From source to Lower Creek	C	11-39-1	30831	8.2	PS	Cause Unknown	8.2		PPI	Agriculture	Low
Note: There is some local interest in this creek, including the local COG. The WPCOG did a study on the creek, primarily for fecal contamination using a 205 J grant. The study includes recommendations for nonpoint source controls. There is a rating curve for Lower Creek at the ambient site, plus limited daily flow data (1993). Regional office staff believe turbidity values are the result of sampling during and after storm events.											
Spainhour Creek From source to Lower Creek	C	11-39-3	30831	4.3	PS	Cause Unknown	4.3		PPI	Urban Runoff/Storm Sewers	Low
Greasy Creek From source to Lower Creek	C	11-39-4	30831	4.5	PS	Cause Unknown	4.5		PPI		Low
Lower Creek From Caldwell County SR 1143 to a point 0.7 mile downstream of Bristol Creek	WS-IV	11-39-(6.5)	30831	6.6	PS	Historical listing for 'sediment' based on biological impairment	6.6		PPI	Municipal Point Sources Urban Runoff/Storm Sewers Non-urban development	High
Note: Lower Creek is the focus of local studies coordinated by the WPCOG. The most recent study focused on fecal contamination and biological indicators. The WPCOG recommended nonpoint source controls for the watershed. Regional office staff believe high turbidity values are the result of sampling during and after storm events. No longer impaired for fecal coliform. New chemical/physical data.											
Bristol Creek From source to Lower Creek	WS-IV	11-39-8	30831	5.6	PS	Habitat Degradation	5.6		PPI	Non-urban development	High

Catawba River Basin

Part 5

Biologically impaired waters. Pollution/pollutant monitoring will place waters on Part 1 or Part 2.

Name & Description	Class	Index #	Subbasin	Total Miles (Acres)	Use Rating	Cause of Impairment	miles	acres	Approach	Potential Sources	Priority
Lower Creek From a point 0.7 mile downstream of Bristol Creek to Rhodhiss Lake, Catawba River	WS-IV CA	11-39-(9)	30831	1.3	PS	Habitat Degradation	1.3		PPI	Municipal Point Sources Urban Runoff/Storm Sewers Non-urban development	High
Note: Lower Creek is the focus of local studies coordinated by the WPCOG. The most recent study focused on fecal contamination and biological indicators. The WPCOG recommended nonpoint source controls for the watershed. Regional office staff believe high turbidity values are the result of sampling during and after storm events.											
Mcdowell Creek From source to U.S. Hwy. 21	C	11-115-(1)	30833	1.1	PS	Cause Unknown	1.1		PPI		Low
McDowell Creek From US Hwy 21 to SR 2136 Mecklenburg Co	WS-IV	11-115-(1.5)a	30833	5.0	PS	Cause Unknown	5.0		PPI		High
McDowell Creek From US Hwy 21 to SR 2136 Mecklenburg Co	WS-IV	11-115-(1.5)a	30833	5.0	PS	Historical listing for 'sediment' based on biological impairment	5.0		PPI		High
McDowell Creek From SR 2136 Mecklenburg Co to).7 mile upstream from mouth	WS-IV	11-115-(1.5)b	30833	3.0	PS	Cause Unknown	3.0		PPI		High
Mcdowell Creek From a point 0.7 mile upstream of mouth to Mountain Island Lake, Catawba River	WS-IV CA	11-115-(5)	30833	0.7	PS	Cause Unknown	0.7		PPI		High
Sugar Creek From source to below WWTP, SR 1156, Meck	C	11-137a	30834	0.2	PS	Historical listing for 'sediment' based on biological impairment	0.2		PPI	Municipal Point Sources Urban Runoff/Storm Sewers	Low
Sugar Creek From source to below WWTP, SR 1156, Meck	C	11-137a	30834	0.2	PS	Cause Unknown	0.2		PPI	Municipal Point Sources Urban Runoff/Storm Sewers	Low
Sugar Creek From SR 1156 Mecklenburg, to HWY 51	C	11-137b	30834	11.9	PS	Cause Unknown	11.9		PPI	Urban Runoff/Storm Sewers	Low

Catawba River Basin

Part 5

Biologically impaired waters. Pollution/pollutant monitoring will place waters on Part 1 or Part 2.

Name & Description	Class	Index #	Subbasin	Total Miles (Acres)	Use Rating	Cause of Impairment	miles	acres	Approach	Potential Sources	Priority
Sugar Creek From SR 1156 Mecklenburg, to HWY 51	C	11-137b	30834	11.9	PS	Historical listing for 'sediment' based on biological impairment	11.9		PPI	Urban Runoff/Storm Sewers	Low
Sugar Creek From Hwy 51 to NC/SC border	C	11-137c	30834	1.2	PS	Cause Unknown	1.2		PPI	Urban Runoff/Storm Sewers	Low
Irwin Creek From source to Sugar Creek	C	11-137-1	30834	11.8	PS	Cause Unknown	11.8		PPI	Industrial Point Sources Municipal Point Sources Urban Runoff/Storm Sewers	Low
Note: This segment includes two segments that were listed on the 1998 list as 11-137-1 and 11-137-1b.											
Mccullough Branch From source to Sugar Creek	C	11-137-7	30834	2.6	NS	Cause Unknown	2.6		PPI	Surface Mining	Low
Little Sugar Creek From source to Archdale Rd	C	11-137-8a	30834	11.8	PS	Cause Unknown	11.8		PPI	Municipal Point Sources Urban Runoff/Storm Sewers	Low
Little Sugar Creek From Arcdale Rd to NC 51	C	11-137-8b	30834	5.3	PS	Historical listing for 'sediment' based on biological impairment	5.3		PPI	Municipal Point Sources Urban Runoff/Storm Sewers	Low
Note: No longer impaired for ammonia. New chemical/physical data.											
Little Sugar Creek From Arcdale Rd to NC 51	C	11-137-8b	30834	5.3	PS	Cause Unknown	5.3		PPI	Municipal Point Sources Urban Runoff/Storm Sewers	Low
Note: No longer impaired for ammonia. New chemical/physical data.											
Little Sugar Creek From NC 51 to state line	C	11-137-8c	30834	3.6	PS	Cause Unknown	3.6		PPI	Municipal Point Sources Urban Runoff/Storm Sewers	Low
McAlpine Creek From source to SR 3356, (Sardis Rd)	C	11-137-9a	30834	8.3	PS	Historical listing for 'sediment' based on biological impairment	8.3		PPI	Urban Runoff/Storm Sewers	Low
McAlpine Creek From source to SR 3356, (Sardis Rd)	C	11-137-9a	30834	8.3	PS	Cause Unknown	8.3		PPI	Urban Runoff/Storm Sewers	Low
McAlpine Creek From SR 3356 to NC 51	C	11-137-9b	30834	6.3	PS	Cause Unknown	6.3		PPI	Urban Runoff/Storm Sewers	Low

Catawba River Basin

Part 5

Biologically impaired waters. Pollution/pollutant monitoring will place waters on Part 1 or Part 2.

Name & Description	Class	Index #	Subbasin	Total Miles (Acres)	Use Rating	Cause of Impairment	miles	acres	Approach	Potential Sources	Priority
McAlpine Creek From SR 3356 to NC 51	C	11-137-9b	30834	6.3	PS	Historical listing for 'sediment' based on biological impairment	6.3		PPI	Urban Runoff/Storm Sewers	Low
McAlpine Creek From NC 51 to NC 521	C	11-137-9c	30834	4.7	PS	Cause Unknown	4.7		PPI	Urban Runoff/Storm Sewers	Low
McAlpine Creek From NC Hwy 521 to NC/SC stateline	C	11-137-9d	30834	1.1	PS	Historical listing for 'sediment' based on biological impairment	1.1		PPI	Urban Runoff/Storm Sewers	Low
Note: No longer impaired for ammonia. New chemical/physical data.											
McAlpine Creek From NC Hwy 521 to NC/SC stateline	C	11-137-9d	30834	1.1	PS	Cause Unknown	1.1		PPI	Urban Runoff/Storm Sewers	Low
Note: No longer impaired for ammonia. New chemical/physical data.											
Clark Creek From 1149 to SR 2012 Catawba Co	C	11-129-5-(0.3)b	30835	4.6	PS	Cause Unknown	4.6		PPI	Agriculture Urban Runoff/Storm Sewers	Low
Note: DWQ Special Watersheds Unit project watershed - The DWQ Special Watersheds Unit funded through a CWMTF grant will perform thorough assessment of watershed condition and develop a comprehensive restoration plan by 2003.											
Clark Creek From SR 2012 to SR-1274, Catawba	C	11-129-5-(0.3)c	30835	4.4	PS	Cause Unknown	4.4		PPI	Industrial Point Sources Agriculture Urban Runoff/Storm Sewers	Low
Note: DWQ Special Watersheds Unit project watershed - The DWQ Special Watersheds Unit funded through a CWMTF grant will perform thorough assessment of watershed condition and develop a comprehensive restoration plan by 2003.											
Clark Creek From SR-1274 to 0.9 mi ab Walker Cr.	C	11-129-5-(0.3)d	30835	4.0	PS	Cause Unknown	4.0		PPI	Industrial Point Sources Agriculture Urban Runoff/Storm Sewers	Low
Note: DWQ Special Watersheds Unit project watershed - The DWQ Special Watersheds Unit funded through a CWMTF grant will perform thorough assessment of watershed condition and develop a comprehensive restoration plan by 2003. Area of impairment refined for copper, turbidity, fecal coliform. Impaired portion of original segment is listed under 11-129-5-(9.5).											
Mauney Creek From source to Hoyle Creek	WS-IV	11-129-15-5	30835	4.3	PS	Cause Unknown	4.3		PPI	Municipal Point Sources	High
Dallas Branch From ab Dallas WWTP to Long Creek	C	11-129-16-7b	30836	0.8	PS	Cause Unknown	0.8		PPI	Municipal Point Sources	Low

Catawba River Basin

Part 5

Biologically impaired waters. Pollution/pollutant monitoring will place waters on Part 1 or Part 2.

Name & Description	Class	Index #	Subbasin	Total Miles (Acres)	Use Rating	Cause of Impairment	miles	acres	Approach	Potential Sources	Priority
Catawba Creek Source to SR-2446, Gaston	C	11-130a	30837	6.1	PS	Historical listing for 'sediment' based on biological impairment	6.1		PPI	Urban Runoff/Storm Sewers	Low
Catawba Creek Source to SR-2446, Gaston	C	11-130a	30837	6.1	PS	Cause Unknown	6.1		PPI	Urban Runoff/Storm Sewers	Low
Catawba Creek From SR 2446 to SR-2439, Gaston	C	11-130b	30837	2.9	NS	Cause Unknown	2.9		PPI	Municipal Point Sources Urban Runoff/Storm Sewers	Low
Catawba Creek From SR 2439 to Lake Wylie	C	11-130c	30837	4.5	NS	Cause Unknown	4.5		PPI	Municipal Point Sources Urban Runoff/Storm Sewers	Low
Crowders Creek From source to SR 1118	C	11-135a	30837	1.8	PS	Cause Unknown	1.8		PPI	Urban Runoff/Storm Sewers	Low
Crowders Creek SR 1118 to SR 1125	C	11-135b	30837	1.7	PS	Cause Unknown	1.7		PPI	Urban Runoff/Storm Sewers	Low
Crowders Creek Sr 1125 to SR1131	C	11-135c	30837	4.5	PS	Cause Unknown	4.5		PPI	Urban Runoff/Storm Sewers	Low
Crowders Creek SR 1131 to SR 1108	C	11-135d	30837	4.2	PS	Cause Unknown	4.2		PPI	Urban Runoff/Storm Sewers	Low
Crowders Creek SR 1108 to NC 321	C	11-135e	30837	1.4	PS	Cause Unknown	1.4		PPI	Urban Runoff/Storm Sewers	Low
Note: A flow rating curve exists at the ambient site. Most of the creek is considered impaired although we only have pollutants identified for the most downstream portion. There is considerable local interest in this creek, including the Catawba Riverkeeper®. The Riverkeeper® and Gaston County have begun collecting samples for fecal coliform bacteria.											
Crowders Creek NC 321- SR 2424	C	11-135f	30837	1.4	PS	Cause Unknown	1.4		PPI	Industrial Point Sources Urban Runoff/Storm Sewers	Low
Note: A flow rating curve exists at the ambient site. Most of the creek is considered impaired although we only have pollutants identified for the most downstream portion. There is considerable local interest in this creek, including the Catawba Riverkeeper®. The Riverkeeper® and Gaston County have begun collecting samples for fecal coliform bacteria.											
Mcgill Creek From source to Crowders Creek	C	11-135-2	30837	2.4	NS	Cause Unknown	2.4		PPI		Low

Catawba River Basin

Part 5

Biologically impaired waters. Pollution/pollutant monitoring will place waters on Part 1 or Part 2.

Name & Description	Class	Index #	Subbasin	Total Miles (Acres)	Use Rating	Cause of Impairment	miles	acres	Approach	Potential Sources	Priority
Ut to Crowders Creek From source to Crowders Creek	C	11-135-8.5	30837	0.4	NR	Cause Unknown	0.4		PPI		Low

Catawba Summary

Total waterbody-pollutant/pollution combination miles:	381.4
Total waterbody-pollutantpollution combination acres:	0
Number of waterbody-pollutant/pollution combinations:	82

CHOWAN River Basin

Part 1

Waters for which TMDLs are required.

Name & Description	Class	Index #	Subbasin	Total Miles (Acres)	Use Rating	Cause of Impairment	miles	acres	Approach	Potential Sources	Priority TMDL Status
Rivers, Streams and Creeks											
Chowan River FromNC/VA state line to Near Riddicksville	B NSW	25a	30101	1.8	FS	Low Dissolved Oxygen	1.8		TMDL	Agriculture Intensive Animal Feeding Operations	Low
Note: Dissolved oxygen violation in much of this segment may be due to natural swamp conditions. Prior to TMDL development, we must determine whether the low DO is due to natural conditions. Fish advisory for dioxin removed February, 2000.											
Potecasi Creek From source to Meherrin River	C NSW	25-4-8	30102	45.6	PS	Low Dissolved Oxygen	45.6		TMDL	Agriculture	Low
Note: This creek is a swampy Coastal Plain creek. Prior to TMDL development, DWQ must determine whether the dissolved oxygen and pH violations are due primarily to natural conditions. The 1998 listing of this water for a dioxin fish advisory was a simple typographic listing mistake. The fish advisory was entered in error due Potecasi Creek's list position being just below the listing for the Chowan River. There is no history of a fish advisory being in place for this water, nor is there a current fish consumption advisory. This mistake is hereby corrected.											
Potecasi Creek From source to Meherrin River	C NSW	25-4-8	30102	45.6	PS	pH	45.6		TMDL	Agriculture	Low
Note: This creek is a swampy Coastal Plain creek. Prior to TMDL development, DWQ must determine whether the dissolved oxygen and pH violations are due primarily to natural conditions. The 1998 listing of this water for a dioxin fish advisory was a simple typographic listing mistake. The fish advisory was entered in error due Potecasi Creek's list position being just below the listing for the Chowan River. There is no history of a fish advisory being in place for this water, nor is there a current fish consumption advisory. This mistake is hereby corrected.											
Chowan River From below Holiday island near Harrellsville	B NSW	25e	30103	5.5	PS	Nutrients	5.5		TMDL	Industrial Point Sources Municipal Point Sources	Low
Note: As a result of implementation of the nutrient sensitive waters (NSW) management strategy, substantial reductions in total phosphorus and total nitrogen loads are reported. DWQ will assess the continued implementation of the NSW strategy prior to TMDL development. Fish advisory for dioxin removed February, 2000. No longer impaired for pH. New chemical/physical data.											
Chowan River From Collerain to US Hwy 17 at Edenhou	B NSW	25f	30104	14.5	PS	Nutrients	14.5		TMDL		Low
Note: As a result of implementation of the nutrient sensitive waters (NSW) management strategy, substantial reductions in total phosphorus and total nitrogen loads are reported. DWQ will assess the continued implementation of the NSW strategy prior to TMDL development. Fish advisory for dioxin removed February, 2000.											

CHOWAN River Basin

Part 5

Biologically impaired waters. Pollution/pollutant monitoring will place waters on Part 1 or Part 2.

Name & Description	Class	Index #	Subbasin	Total Miles (Acres)	Use Rating	Cause of Impairment	miles	acres	Approach	Potential Sources	Priority
Rivers, Streams and Creeks											
Wiccacon River (Hoggard Swamp) From source to Chowan River	C NSW	25-14	30101	20.8	PS	Cause Unknown	20.8		PPI	Source Unknown	Low
Painter Swamp From source to Potecasi Creek	C NSW	25-4-8-5	30102	3.7	NE	Cause Unknown	3.7		PPI	Agriculture	Low
Bells Branch From source to Potecasi Creek	C NSW	25-4-8-10	30102	4.8	NE	Cause Unknown	4.8		PPI	Agriculture	Low

CHOWAN Summary

Total waterbody-pollutant/pollution combination miles:	142.3
Total waterbody-pollutantpollution combination acres:	0
Number of waterbody-pollutant/pollution combinations:	8

French Broad River Basin

Part 1

Waters for which TMDLs are required.

Name & Description	Class	Index #	Subbasin	Total Miles (Acres)	Use Rating	Cause of Impairment	miles	acres	Approach	Potential Sources	Priority TMDL Status
Rivers, Streams and Creeks											
Newfound Creek From SR 1296 to SR 1297	C	6-84b	40302	1.3	FS	Fecal Coliform	1.3		TMDL	Pasture grazing - Riparian and/or Upland Non-urban development	Low Collecting flow data
Note: 319 Incremental, Clean Water Management Trust Fund, Wetlands Restoration Program funding. 1998 planning grant provided by the Clean Water Management Trust Fund used for development of watershed restoration plan. 319 funding will provide resources for installation, demonstration, and monitoring of BMPs. Wetlands Restoration Project project on Sluder Branch (flows to Newfound Creek). Project includes stream restoration on channelized branch including reestablishment of stream water surface to floodplain and planting riparian buffer areas. Implementation should reduce sediment in stream and reduce nutrient input from agricultural practices. No longer impaired for sediment. New biological data.											
Newfound Creek From SR 1297 to SR 1378	C	6-84c	40302	2.3	FS	Fecal Coliform	2.3		TMDL	Agriculture Pasture grazing - Riparian and/or Upland Non-urban development	Low Collecting flow data
Note: 319 Incremental, Clean Water Management Trust Fund, Wetlands Restoration Program funding. 1998 planning grant provided by the Clean Water Management Trust Fund used for development of watershed restoration plan. 319 funding will provide resources for installation, demonstration, and monitoring of BMPs. Wetlands Restoration Project project on Sluder Branch (flows to Newfound Creek). Project includes stream restoration on channelized branch including reestablishment of stream water surface to floodplain and planting riparian buffer areas. Implementation should reduce sediment in stream and reduce nutrient input from agricultural practices. No longer impaired for sediment. New biological data.											
Newfound Creek SR 1378 to French Broad R	C	6-84d	40302	6.6	FS	Fecal Coliform	6.6		TMDL	Agriculture Pasture grazing - Riparian and/or Upland Non-urban development	Low Collecting flow data
Note: 319 Incremental, Clean Water Management Trust Fund, Wetlands Restoration Program funding. 1998 planning grant provided by the Clean Water Management Trust Fund used for development of watershed restoration plan. 319 funding will provide resources for installation, demonstration, and monitoring of BMPs. Wetlands Restoration Project project on Sluder Branch (flows to Newfound Creek). Project includes stream restoration on channelized branch including reestablishment of stream water surface to floodplain and planting riparian buffer areas. Implementation should reduce sediment in stream and reduce nutrient input from agricultural practices. No longer impaired for sediment. New biological data.											
Pigeon River From Canton Water Intake to Clyde/At Clyde, SR-1642, Haywood Co	C	5-(7)a	40305	7.0	PS	Fish Advisory-Dioxins	7.0		TMDL	Major Industrial Point Source	Low Drafted
Note: Pigeon River Fund financed watershed inventory for the development of a Watershed Action Plan through the Haywood Waterways Association. Action Plan to be completed and reviewed by 2001. Dioxin TMDL will be publicly noticed when the NPDES permit is noticed. No longer impaired for fecal coliform. New chemical/physical data.											
Pigeon River From Clyde/At Clyde, SR-1642, Haywood Co to Crabtree Cr	C	5-(7)b	40305	7.9	FS	Fish Advisory-Dioxins	7.9		TMDL	Major Industrial Point Source	Low Drafted
Note: Pigeon River Fund financed watershed inventory for the development of a Watershed Action Plan through the Haywood Waterways Association. Action Plan to be completed and reviewed by 2001. Dioxin TMDL will be publicly noticed when the NPDES permit is noticed.											

French Broad River Basin

Part 1

Waters for which TMDLs are required.

Name & Description	Class	Index #	Subbasin	Total Miles (Acres)	Use Rating	Cause of Impairment	miles	acres	Approach	Potential Sources	Priority TMDL Status
Pigeon River From Crabtree Ck to SR-1338 near Hepco	C	5-(7)c	40305	7.0	FS	Fish Advisory-Dioxins	7.0		TMDL	Major Industrial Point Source	Low Drafted
Note: Pigeon River Fund financed watershed inventory for the development of a Watershed Action Plan through the Haywood Waterways Association. Action Plan to be completed and reviewed by 2001. Dioxin TMDL will be publicly noticed when the NPDES permit is noticed. No longer impaired for fecal coliform. New chemical/physical data.											
Pigeon River From SR-1338 near Hepco to Hurricane Creek (Haywood)	C	5-(7)d	40305	8.7	FS	Fish Advisory-Dioxins	8.7		TMDL	Major Industrial Point Source	Low Drafted
Note: Dioxin TMDL will be publicly noticed when the NPDES permit is noticed. Pigeon River Fund financed watershed inventory for the development of a Watershed Action Plan through the Haywood Waterways Association. Action Plan to be completed and reviewed by 2001.											
Hurricane Creek From source to Pigeon River	C Tr	5-44	40305	6.0	NR	Sediment	6.0		TMDL		Low
Note: DWQ originally placed this water on the 303(d) list based on anecdotal information. DWQ does not have data indicating impairment (biological or other). DWQ will monitor this water and confirm impairment before developing a restoration plan. Pigeon River Fund financed watershed inventory for the development of a Watershed Action Plan through the Haywood Waterways Association. Action Plan to be completed and reviewed by 2001. This watershed is on federal land. The US Forest Service has expressed an interest to the Haywood Waterways Association to participate in assessment and implementation of BMPs to control sediment loss from access roads.											

French Broad River Basin

Part 1

Waters for which TMDLs are required.

Name & Description	Class	Index #	Subbasin	Total Miles (Acres)	Use Rating	Cause of Impairment	miles	acres	Approach	Potential Sources	Priority TMDL Status
Lakes											
Waterville Lake Haywood County	C	5-WATERVILLE LAKE_HAYWOOD	40305	(340)	FS	Fish Advisory-Dioxins		340	TMDL		Low Drafted
Note: Dioxin TMDL will be publicly noticed when the NPDES permit is noticed.											

French Broad River Basin

Part 4

Regulatory controls other than TMDLs expected to result in meeting standards by next listing.

Name & Description	Class	Index #	Subbasin	Total Miles (Acres)	Use Rating	Cause of Impairment	miles	acres	Approach	Potential Sources	Priority
Rivers, Streams and Creeks											
Mud Creek	C	6-55a	40302	15.2	NS	Turbidity	15.2		OTHER	Agriculture	Low
From source to Byers Cr										Urban Runoff/Storm Sewers	
Note: DWQ Special Watersheds Unit and 205 (j) project watershed - The DWQ Special Watersheds Unit funded through a CWMTF grant will perform thorough assessment of watershed condition and develop a comprehensive restoration plan by 2003. 205 (j) planning grant will assist with stakeholder development, education, and outreach. No longer impaired for fecal coliform. New chemical/physical data.											

French Broad River Basin

Part 5

Biologically impaired waters. Pollution/pollutant monitoring will place waters on Part 1 or Part 2.

Name & Description	Class	Index #	Subbasin	Total Miles (Acres)	Use Rating	Cause of Impairment	miles	acres	Approach	Potential Sources	Priority
Rivers, Streams and Creeks											
West Fork French Broad From above to below trout farms	C Tr	6-2-(0.5)b	40301	0.5	PS	Cause Unknown	0.5		PPI	Aquaculture	Low
Peter Weaver Creek From Morgan Mill Cr. to French Broad River	C Tr	6-10b	40301	0.8	PS	Cause Unknown	0.8		PPI	Aquaculture	Low
Morgan Mill Creek From trout farm (US 64) to Peter Weaver Cr.	B Tr	6-10-1b	40301	0.3	PS	Cause Unknown	0.3		PPI	Aquaculture	Low
Gash Creek From source to French Broad River	C	6-47	40302	3.7	NS	Habitat Degradation	3.7		PPI	Non-urban development	Medium
Mill Pond Creek From source to French Broad River	WS-IV	6-51	40302	3.6	PS	Cause Unknown	3.6		PPI	Land Disposal	High
Mud Creek From source to Byers Cr	C	6-55a	40302	15.2	NS	Historical listing for 'sediment' based on biological impairment	15.2		PPI	Agriculture Urban Runoff/Storm Sewers	Low
Note: DWQ Special Watersheds Unit and 205 (j) project watershed - The DWQ Special Watersheds Unit funded through a CWMTF grant will perform thorough assessment of watershed condition and develop a comprehensive restoration plan by 2003. 205 (j) planning grant will assist with stakeholder development, education, and outreach. No longer impaired for fecal coliform. New chemical/physical data.											
Mud Creek From Byers Cr to French Broad River	C	6-55b	40302	3.2	PS	Cause Unknown	3.2		PPI	Agriculture Specialty Crop Production Urban Runoff/Storm Sewers	Medium
Note: DWQ Special Watersheds Unit and 205 (j) project watershed - The DWQ Special Watersheds Unit funded through a CWMTF grant will perform thorough assessment of watershed condition and develop a comprehensive restoration plan by 2003. 205 (j) planning grant will assist with stakeholder development, education, and outreach.											
Mud Creek From Byers Cr to French Broad River	C	6-55b	40302	3.2	PS	Historical listing for 'sediment' based on biological impairment	3.2		PPI	Agriculture Specialty Crop Production Urban Runoff/Storm Sewers	Medium
Note: DWQ Special Watersheds Unit and 205 (j) project watershed - The DWQ Special Watersheds Unit funded through a CWMTF grant will perform thorough assessment of watershed condition and develop a comprehensive restoration plan by 2003. 205 (j) planning grant will assist with stakeholder development, education, and outreach.											

French Broad River Basin

Part 5

Biologically impaired waters. Pollution/pollutant monitoring will place waters on Part 1 or Part 2.

Name & Description	Class	Index #	Subbasin	Total Miles (Acres)	Use Rating	Cause of Impairment	miles	acres	Approach	Potential Sources	Priority
Bat Fork From source to Johnson Drainage Ditch	C	6-55-8-1	40302	4.8	PS	Habitat Degradation	4.8		PPI	Agriculture Urban Runoff/Storm Sewers Non-urban development	Low
Note: DWQ Special Watersheds Unit and 205 (j) project watershed - The DWQ Special Watersheds Unit funded through a CWMTF grant will perform thorough assessment of watershed condition and develop a comprehensive restoration plan by 2003. 205 (j) planning grant will assist with stakeholder development, education, and outreach.											
Bat Fork From source to Johnson Drainage Ditch	C	6-55-8-1	40302	4.8	PS	Cause Unknown	4.8		PPI	Agriculture Urban Runoff/Storm Sewers Non-urban development	Low
Note: DWQ Special Watersheds Unit and 205 (j) project watershed - The DWQ Special Watersheds Unit funded through a CWMTF grant will perform thorough assessment of watershed condition and develop a comprehensive restoration plan by 2003. 205 (j) planning grant will assist with stakeholder development, education, and outreach.											
Clear Creek From source to Lewis Creek	B Tr	6-55-11-(1)	40302	11.7	PS	Habitat Degradation	11.7		PPI	Specialty Crop Production	Low
Note: DWQ Special Watersheds Unit and 205 (j) project watershed - The DWQ Special Watersheds Unit funded through a CWMTF grant will perform thorough assessment of watershed condition and develop a comprehensive restoration plan by 2003. 205 (j) planning grant will assist with stakeholder development, education, and outreach.											
Clear Creek From Lewis Creek to Mud Creek	C	6-55-11-(5)	40302	6.3	NS	Habitat Degradation	6.3		PPI	Specialty Crop Production	Low
Note: DWQ Special Watersheds Unit and 205 (j) project watershed - The DWQ Special Watersheds Unit funded through a CWMTF grant will perform thorough assessment of watershed condition and develop a comprehensive restoration plan by 2003. 205 (j) planning grant will assist with stakeholder development, education, and outreach.											
Clear Creek From Lewis Creek to Mud Creek	C	6-55-11-(5)	40302	6.3	NS	Cause Unknown	6.3		PPI	Specialty Crop Production	Low
Note: DWQ Special Watersheds Unit and 205 (j) project watershed - The DWQ Special Watersheds Unit funded through a CWMTF grant will perform thorough assessment of watershed condition and develop a comprehensive restoration plan by 2003. 205 (j) planning grant will assist with stakeholder development, education, and outreach.											
Hominy Creek From NC 151 to NC 112	C	6-76b	40302	3.1	PS	Historical listing for 'sediment' based on biological impairment	3.1		PPI	Agriculture Specialty Crop Production Urban Runoff/Storm Sewers Non-urban development	Low
Hominy Creek From NC 112 to French Broad R	C	6-76c	40302	8.7	PS	Historical listing for 'sediment' based on biological impairment	8.7		PPI	Agriculture Urban Runoff/Storm Sewers Non-urban development	Low
Note: No longer impaired for fecal coliform. New chemical/physical data.											

French Broad River Basin

Part 5

Biologically impaired waters. Pollution/pollutant monitoring will place waters on Part 1 or Part 2.

Name & Description	Class	Index #	Subbasin	Total Miles (Acres)	Use Rating	Cause of Impairment	miles	acres	Approach	Potential Sources	Priority
South Hominy Creek From source to Hominy Creek	C Tr	6-76-5	40302	6.4	NS	Habitat Degradation	6.4		PPI	Agriculture Specialty Crop Production	Medium
Ross Creek (Lake Kenilworth) From I-240 to Swannanoa River	B	6-78-23b	40302	1.7	NS	Habitat Degradation	1.7		PPI	Urban Runoff/Storm Sewers	Low
Note: 205 (j), Pigeon River Fund, and 319 Incremental Watershed Project - 205 (j) and Pigeon River Fund monies used for development of stakeholder involvement and urban stormwater education. Incremental funding provides for a complete assessment and development of a restoration plan for the Swannanoa River Watershed and includes $250,000 for BMP installation within the watershed - including Ross Creek.											
Mills River From SR 1337 to 0.5 mile upstream of NC Hwy 191	WS-II Tr	6-54-(1)b	40303	1.4	NS	Cause Unknown	1.4		PPI	Specialty Crop Production	High
Note: Clean Water Management Trust Fund watershed project - Stakeholders working together to identify riparian protection opportunities and install forest road and agricultural BMPs.											
Mills River From a point 0.5 mile upstream of N.C. Hwy. 191 to City of Hendersonville water supply intake located 0.1 mile downstream of N.C. Hwy. l91	WS-II Tr CA	6-54-(4.5)	40303	0.6	NS	Cause Unknown	0.6		PPI	Specialty Crop Production	High
Note: Clean Water Management Trust Fund watershed project - Stakeholders working together to identify riparian protection opportunities and install forest road and agricultural BMPs.											
Mills River From City of Hendersonville water supply intake to a point 0.7 mile upstream of mouth of Mills River	WS-III	6-54-(5)	40303	1.9	NS	Cause Unknown	1.9		PPI	Specialty Crop Production	High
Note: Clean Water Management Trust Fund watershed project - Stakeholders working together to identify riparian protection opportunities and install forest road and agricultural BMPs.											
Brandy Branch From source to Mills River	WS-III	6-54-6	40303	1.9	PS	Cause Unknown	1.9		PPI		High
Note: Clean Water Management Trust Fund watershed project - Stakeholders working together to identify riparian protection opportunities and install forest road and agricultural BMPs.											
Mills River From a point 0.7 mile upstream of mouth of Mills River to French Broad River	WS-III CA	6-54-(6.5)	40303	0.7	NS	Cause Unknown	0.7		PPI	Specialty Crop Production	High
Note: Clean Water Management Trust Fund watershed project - Stakeholders working together to identify riparian protection opportunities and install forest road and agricultural BMPs.											

French Broad River Basin

Part 5

Biologically impaired waters. Pollution/pollutant monitoring will place waters on Part 1 or Part 2.

Name & Description	Class	Index #	Subbasin	Total Miles (Acres)	Use Rating	Cause of Impairment	miles	acres	Approach	Potential Sources	Priority
Little Ivy Creek From SR 1547 to Ivy Creek	WS-II	6-96-10b	40304	2.6	PS	Cause Unknown	2.6		PPI	Agriculture Non-urban development	High
Note: 319 Incremental, Clean Water Management Trust Fund, I-26 Riparian Mitigation Fund Project Watershed - Installation of dry stack animal waste and feeding facilities, riparian protection, whole farm planning within this water supply watershed.											
Hyatt Creek Source to SR 1159, Haywood Co	C	5-16-6a	40305	0.9	NR	Historical listing for 'sediment' based on biological impairment	0.9		PPI		Low
Note: Pigeon River Fund financed watershed inventory for the development of a Watershed Action Plan through the Haywood Waterways Association. 319 Incremental funding provided for installation and demonstration of BMPs in Hyatt and Fines Creek watersheds. Priority installation areas based upon results of Watershed Action Plan to be completed and reviewed by 2001.											
Hyatt Creek Source to SR 1159, Haywood Co	C	5-16-6a	40305	0.9	NR	Cause Unknown	0.9		PPI		Low
Note: Pigeon River Fund financed watershed inventory for the development of a Watershed Action Plan through the Haywood Waterways Association. 319 Incremental funding provided for installation and demonstration of BMPs in Hyatt and Fines Creek watersheds. Priority installation areas based upon results of Watershed Action Plan to be completed and reviewed by 2001.											
Hyatt Creek From SR-1159, to Richland Ck	C	5-16-6b	40305	2.6	NR	Historical listing for 'sediment' based on biological impairment	2.6		PPI		Low
Note: Discharger has been fined for compliance problems. The case was closed November, 1999. Pigeon River Fund financed watershed inventory for the development of a Watershed Action Plan through the Haywood Waterways Association. 319 Incremental funding provided for installation and demonstration of BMPs in Hyatt and Fines Creek watersheds. Priority installation areas based upon results of Watershed Action Plan to be completed and reviewed by 2001.											
Richland Creek From Lake Junaluska Dam to Pigeon River	C	5-16-(16)	40305	2.4	PS	Historical listing for 'sediment' based on biological impairment	2.4		PPI	Agriculture Urban Runoff/Storm Sewers Non-urban development	Low
Note: Pigeon River Fund financed watershed inventory for the development of a Watershed Action Plan through the Haywood Waterways Association. Action Plan to be completed and reviewed by 2001.											
Right Fork Cane Creek From source to Cane Creek	C Tr	7-2-59-1	40306	1.1	NR	Cause Unknown	1.1		PPI		Low
Right Fork Cane Creek From source to Cane Creek	C Tr	7-2-59-1	40306	1.1	NR	Historical listing for 'sediment' based on biological impairment	1.1		PPI		Low

French Broad River Basin

Part 5

Biologically impaired waters. Pollution/pollutant monitoring will place waters on Part 1 or Part 2.

Name & Description	Class	Index #	Subbasin	Total Miles (Acres)	Use Rating	Cause of Impairment	miles	acres	Approach	Potential Sources	Priority

French Broad Summary

Total waterbody-pollutant/pollution combination miles:	164.4
Total waterbody-pollutantpollution combination acres:	340
Number of waterbody-pollutant/pollution combinations:	39

HIWASSEE River Basin

Part 5

Biologically impaired waters. Pollution/pollutant monitoring will place waters on Part 1 or Part 2.

Name & Description	Class	Index #	Subbasin	Total Miles (Acres)	Use Rating	Cause of Impairment	miles	acres	Approach	Potential Sources	Priority
Rivers, Streams and Creeks											
Brasstown Creek From North Carolina-Georgia State Line to Hiwassee River	WS-IV	1-42	40501	8.5	PS	Historical listing for 'sediment' based on biological impairment	8.5		PPI	Agriculture Highway/Road/Bridge Runoff	High
Note: Clean Water Management Trust Fund Project (Hiwassee River Watershed Coalition). Purpose- Streambank restoration, reestablish riparian buffers, restore bare lands adjacent to streams, restore pasture lands, and ID future sites for wetlands restoration or construction of retention ponds. Headwaters in Georgia, so coordination will be needed. Water Quality Objectives- To reduce significant sediment loads through streambank restoration and cattle fencing. Identified 15 sites with worst erosion to restore on mainstem of Brasstown Creek. Restore streambank on over 10,000 ft on mainstem and 10,000 feet of tributaries. Reestablish over 10,000 feet of riparian buffers along mainstem and tributaries. Also restore 100 acres of land within 300 feet of streams, restore 1000 acres of pasture land and ID future sites for wetlands restoration or construction of retention ponds. Funded up to $2,100,000.											
Valley River From off US 19, nr Rhodo, to ab landfill,	C Tr	1-52b	40502	19.6	PS	Cause Unknown	19.6		PPI	Source Unknown	Low
Webb Creek From source to Valley River	C Tr	1-52-32	40502	1.6	NE	Historical listing for 'sediment' based on biological impairment	1.6		PPI	Highway/Road/Bridge Runoff	Low

HIWASSEE Summary

Total waterbody-pollutant/pollution combination miles:	29.7
Total waterbody-pollutantpollution combination acres:	0
Number of waterbody-pollutant/pollution combinations:	3

L. TENNESSEE River Basin

Part 1

Waters for which TMDLs are required.

Name & Description	Class	Index #	Subbasin	Total Miles (Acres)	Use Rating	Cause of Impairment	miles	acres	Approach	Potential Sources	Priority TMDL Status
Rivers, Streams and Creeks											
Whiteoak Creek From SR 1397 to SR 1423	C Tr	2-57-45b	40403	1.0	PS	Nutrients	1.0		TMDL	Minor Non-municipal	Low

L. TENNESSEE River Basin

Part 1

Waters for which TMDLs are required.

Name & Description	Class	Index #	Subbasin	Total Miles (Acres)	Use Rating	Cause of Impairment	miles	acres	Approach	Potential Sources	Priority TMDL Status
Lakes											
Santeetlah Lake West Buffalo Creek Arm of Santeetlah Lake	B Tr	2-SANTEETLAH_LAKE_GRAHAM	40404	(280)	PS	Nutrients		280	TMDL	Aquaculture	Low

L. TENNESSEE River Basin

Part 5

Biologically impaired waters. Pollution/pollutant monitoring will place waters on Part 1 or Part 2.

Name & Description	Class	Index #	Subbasin	Total Miles (Acres)	Use Rating	Cause of Impairment	miles	acres	Approach	Potential Sources	Priority
Rivers, Streams and Creeks											
Cullasaja River (Ravenel Lake) From source to Macon County SR 1545	WS-III Tr	2-21-(0.5)	40401	4.8	NS	Historical listing for 'sediment' based on biological impairment	4.8		PPI	Source Unknown	High
Note: DWQ Special Watersheds Assessment Unit and 319 Incremental project watershed - Facilitated stakeholder group established in 1999 will provide technical review of streambank restoration project funded up to $210,000. The DWQ Special Watersheds Unit funded through a CWMTF grant will perform thorough assessment of watershed condition and develop a comprehensive restoration plan by 2003.											
Mill Creek From source to Mirror Lake, Cullasaja River	WS-III Tr	2-21-3	40401	1.4	PS	Historical listing for 'sediment' based on biological impairment	1.4		PPI		High
Note: DWQ Special Watersheds Assessment Unit and 319 Incremental project watershed - Facilitated stakeholder group established in 1999 will provide technical review of streambank restoration project funded up to $210,000. The DWQ Special Watersheds Unit funded through a CWMTF grant will perform thorough assessment of watershed condition and develop a comprehensive restoration plan by 2003.											

L. TENNESSEE Summary

Total waterbody-pollutant/pollution combination miles:	7.2
Total waterbody-pollutantpollution combination acres:	280
Number of waterbody-pollutant/pollution combinations:	4

Lumber River Basin

Part 1

Waters for which TMDLs are required.

Name & Description	Class	Index #	Subbasin	Total Miles (Acres)	Use Rating	Cause of Impairment	miles	acres	Approach	Potential Sources	Priority TMDL Status
Ocean, Estuarine Areas											
Atlantic Ocean	SB	99-(1)			NR	Fish Advisory-Mercury		56,960	TMDL		Low
The waters of the Atlantic Ocean contiguous to that portion of the Waccamaw River Drainage Area of the Lumber River Basin extending from the Cape Fear River Basin to the North Carolina-South Carolina State Line				(56960)							
Note: Fish Advisory for King Mackerel posted 3-23-2000. North Carolina expects that US EPA will take the lead in developing a regional TMDL.											

Lumber River Basin

Part 3

TMDL has been approved by EPA. Not yet meeting standards.

Name & Description	Class	Index #	Subbasin	Total Miles (Acres)	Use Rating	Cause of Impairment	miles	acres	Approach	Potential Sources	Priority
Rivers, Streams and Creeks											
Drowning Creek From source to Naked Creek	WS-II Sw	14-2-(1)	30750	20.5	FS	Fish Advisory-Mercury	20.5		Approved	Atmospheric Deposition	
Note: Mercury TMDL submitted to EPA on November 8, 1999. Mercury TMDL approved by EPA September 15, 2000.											
Drowning Creek From Naked Creek to Horse Creek	WS-II Sw	14-2-(6.5)	30750	5.4	FS	Fish Advisory-Mercury	5.4		Approved	Atmospheric Deposition	
Note: Mercury TMDL submitted to EPA on November 8, 1999. Mercury TMDL approved by EPA September 15, 2000.											
Drowning Creek From Horse Creek to a point 0.4 mile upstream of U.S. Hwy. 1 (Town of Southern Pines water supply intake)	WS-II Sw CA	14-2-(9)	30750	0.6	FS	Fish Advisory-Mercury	0.6		Approved	Atmospheric Deposition	
Note: Mercury TMDL submitted to EPA on November 8, 1999. Mercury TMDL approved by EPA September 15, 2000.											
Drowning Creek From a point 0.4 mile upstream of U.S. Hwy. 1 to Lumber River	C Sw HQW	14-2-(10.5)	30750	6.9	FS	Fish Advisory-Mercury	6.9		Approved	Atmospheric Deposition	
Note: Mercury TMDL submitted to EPA on November 8, 1999. Mercury TMDL approved by EPA September 15, 2000.											
Lumber River From NC Hwy 71 to SR 1303	B Sw HQW	14-(4.5)b	30751	2.5	FS	Fish Advisory-Mercury	2.5		Approved	Atmospheric Deposition	
Note: Mercury TMDL submitted to EPA on November 8, 1999. Mercury TMDL approved by EPA September 15, 2000.											
Lumber River SR-1303 to SR-1153, Robeson Co./SR-1153	B Sw HQW	14-(4.5)c	30751	2.4	FS	Fish Advisory-Mercury	2.4		Approved	Atmospheric Deposition	
Note: Mercury TMDL submitted to EPA on November 8, 1999. Mercury TMDL approved by EPA September 15, 2000.											
Lumber River SR-1153 to Seaboard Coast Line RR Bridge near Pembroke	B Sw HQW	14-(4.5)d	30751	5.9	FS	Fish Advisory-Mercury	5.9		Approved	Atmospheric Deposition	
Note: Mercury TMDL submitted to EPA on November 8, 1999. Mercury TMDL approved by EPA September 15, 2000.											

Lumber River Basin

Part 3

TMDL has been approved by EPA. Not yet meeting standards.

Name & Description	Class	Index #	Subbasin	Total Miles (Acres)	Use Rating	Cause of Impairment	miles	acres	Approach	Potential Sources	Priority
Lumber River From Seaboard Coast Line RR bridge to .5 mi upstream of Powell Br.	WS-IV&B Sw HQW	14-(7)a	30751	20.0	FS	Fish Advisory-Mercury	20.0		Approved	Atmospheric Deposition	
Note: Mercury TMDL submitted to EPA on November 8, 1999. Mercury TMDL approved by EPA September 15, 2000.											
Lumber River From a point 0.5 mile upstream of Powell Branch to Raw Water Supply Intake for City of Lumberton	WS-IV Sw HQW CA	14-(10.3)	30751	0.7	FS	Fish Advisory-Mercury	0.7		Approved	Atmospheric Deposition	
Note: Clean Water Management Trust Fund Projects. Lumberton project funded up to $1,000,000, contingent upon their receiving funds from the State Revolving Loan and Grant Program. Scope of Work: Separate combined sewer and stormwater lines and repair leaking sewer lines. Water Quality Objective: Protect the Lumber River from sewer overflows. Pembroke project will eliminate a failing wastewater management system at a school by pumping sewage to town WWTP. Mercury TMDL submitted to EPA on November 8, 1999. Mercury TMDL approved by EPA September 15, 2000.											
Lumber River From Raw Water Supply Intake for City of Lumberton to U.S. Hwy. 301 Bypass	B Sw HQW	14-(11)	30751	0.5	FS	Fish Advisory-Mercury	0.5		Approved	Atmospheric Deposition	
Note: Clean Water Management Trust Fund Projects. Lumberton project funded up to $1,000,000, contingent upon their receiving funds from the State Revolving Loan and Grant Program. Scope of Work: Separate combined sewer and stormwater lines and repair leaking sewer lines. Water Quality Objective: Protect the Lumber River from sewer overflows. Pembroke project will eliminate a failing wastewater management system at a school by pumping sewage to town WWTP. Mercury TMDL submitted to EPA on November 8, 1999. Mercury TMDL approved by EPA September 15, 2000.											
Lumber River HWY 301 to SR2289 /SR-2289, Robeson Co.	C Sw	14-(13)a	30751	2.7	FS	Fish Advisory-Mercury	2.7		Approved	Atmospheric Deposition	
Note: Mercury TMDL submitted to EPA on November 8, 1999. Mercury TMDL approved by EPA September 15, 2000.											
Lumber River From SR 2289 to Lumber R above Alpha Cellulose, SR 2202	C Sw	14-(13)b	30751	0.7	FS	Fish Advisory-Mercury	0.7		Approved	Atmospheric Deposition	
Note: Mercury TMDL submitted to EPA on November 8, 1999. Mercury TMDL approved by EPA September 15, 2000.											
Lumber River Lumber R. above Alpha Cell. at 2202 to above WWTP, Robeson Co.	C Sw	14-(13)c	30751	0.6	FS	Fish Advisory-Mercury	0.6		Approved	Municipal Point Sources Atmospheric Deposition	
Note: Mercury TMDL submitted to EPA on November 8, 1999. Mercury TMDL approved by EPA September 15, 2000.											

Lumber River Basin

Part 3

TMDL has been approved by EPA. Not yet meeting standards.

Name & Description	Class	Index #	Subbasin	Total Miles (Acres)	Use Rating	Cause of Impairment	miles	acres	Approach	Potential Sources	Priority
Lumber River Above WWTP to below WWTP at SR-1620/72 Robeson Co.	C Sw	14-(13)d	30751	1.3	FS	Fish Advisory-Mercury	1.3		Approved	Municipal Point Sources Atmospheric Deposition	
Note: Mercury TMDL submitted to EPA on November 8, 1999. Mercury TMDL approved by EPA September 15, 2000.											
Lumber River SR 1620 to NC 74, Robeson Co	C Sw	14-(13)e	30751	16.6	FS	Fish Advisory-Mercury	16.6		Approved	Municipal Point Sources Atmospheric Deposition	
Note: Mercury TMDL submitted to EPA on November 8, 1999. Mercury TMDL approved by EPA September 15, 2000.											
Lumber River From NC 74 to NC 904	C Sw	14-(13)f	30751	18.4	FS	Fish Advisory-Mercury	18.4		Approved	Municipal Point Sources Atmospheric Deposition	
Note: Mercury TMDL submitted to EPA on November 8, 1999. Mercury TMDL approved by EPA September 15, 2000.											
Porter Swamp From source to Lumber River	C Sw	14-27	30751	16.4	FS	Fish Advisory-Mercury	16.4		Approved	Atmospheric Deposition	
Note: No longer impaired for sediment. New biological information. Mercury TMDL submitted to EPA on November 8, 1999. Mercury TMDL approved by EPA September 15, 2000.											
Lumber River From N.C. Hwy. 904 to North Carolina-South Carolina State Line	B Sw	14-(28)	30751	3.8	FS	Fish Advisory-Mercury	3.8		Approved	Municipal Point Sources Atmospheric Deposition	
Note: Mercury TMDL submitted to EPA on November 8, 1999. Mercury TMDL approved by EPA September 15, 2000.											
Big Swamp From source to NC 211	C Sw	14-22a	30753	15.4	FS	Fish Advisory-Mercury	15.4		Approved	Atmospheric Deposition	
Note: Mercury TMDL submitted to EPA on November 8, 1999. Mercury TMDL approved by EPA September 15, 2000.											
Big Swamp From NC 211 to Lumber River	C Sw	14-22b	30753	9.5	FS	Fish Advisory-Mercury	9.5		Approved	Atmospheric Deposition	
Note: Mercury TMDL submitted to EPA on November 8, 1999. Mercury TMDL approved by EPA September 15, 2000.											
Ashpole Swamp From source to Hog Swamp	C Sw	14-30a	30754	18.8	FS	Fish Advisory-Mercury	18.8		Approved	Atmospheric Deposition	
Note: Mercury TMDL submitted to EPA on November 8, 1999. Mercury TMDL approved by EPA September 15, 2000.											

Lumber River Basin

Part 3

TMDL has been approved by EPA. Not yet meeting standards.

Name & Description	Class	Index #	Subbasin	Total Miles (Acres)	Use Rating	Cause of Impairment	miles	acres	Approach	Potential Sources	Priority
Ashpole Swamp From Hog Swamp to North Carolina-South Carolina border	C Sw	14-30b	30754	6.9	FS	Fish Advisory-Mercury	6.9		Approved	Atmospheric Deposition	
Note: Mercury TMDL submitted to EPA on November 8, 1999. Mercury TMDL approved by EPA September 15, 2000. Not impaired for low dissolved oxygen (found on 1998 list). Excursions of the numeric water quality standard for dissolved oxygen as a result of natural conditions are not violations of the applicable water quality standard. North Carolina cites T15A: 02B .0211(3)(b).											
Waccamaw River From source at dam at Lake Waccamaw to 0.1 mi below Lake Waccamaw	C Sw	15-(1)a	30756	0.2	FS	Fish Advisory-Mercury	0.2		Approved	Atmospheric Deposition	
Note: Mercury TMDL submitted to EPA on November 8, 1999. Mercury TMDL approved by EPA September 15, 2000.											
Waccamaw River From 0.1 mile below dam to off SR 1930	C Sw	15-(1)b	30756	6.8	FS	Fish Advisory-Mercury	6.8		Approved	Atmospheric Deposition	
Note: Mercury TMDL submitted to EPA on November 8, 1999. Mercury TMDL approved by EPA September 15, 2000.											
Waccamaw River From site off SR 1930 to SR 1928	C Sw	15-(1)c	30756	3.5	FS	Fish Advisory-Mercury	3.5		Approved	Atmospheric Deposition	
Note: Mercury TMDL submitted to EPA on November 8, 1999. Mercury TMDL approved by EPA September 15, 2000.											
Big Creek From source to Lake Waccamaw	C Sw	15-2-6	30756	5.0	FS	Fish Advisory-Mercury	5.0		Approved	Atmospheric Deposition	
Note: Mercury TMDL submitted to EPA on November 8, 1999. Mercury TMDL approved by EPA September 15, 2000.											
Waccamaw River From SR 1928 to NC 130	C Sw	15-(1)d	30757	8.9	FS	Fish Advisory-Mercury	8.9		Approved	Municipal Point Sources Atmospheric Deposition	
Note: Mercury TMDL submitted to EPA on November 8, 1999. Mercury TMDL approved by EPA September 15, 2000.											
Waccamaw River From NC 130 to NC 904	C Sw	15-(1)e	30757	18.1	FS	Fish Advisory-Mercury	18.1		Approved	Municipal Point Sources Atmospheric Deposition	
Note: Mercury TMDL submitted to EPA on November 8, 1999. Mercury TMDL approved by EPA September 15, 2000.											
Waccamaw River From N.C. Hwy. 904 to North Carolina-South Carolina State Line	B Sw	15-(18)	30757	8.4	FS	Fish Advisory-Mercury	8.4		Approved	Atmospheric Deposition	
Note: Mercury TMDL submitted to EPA on November 8, 1999. Mercury TMDL approved by EPA September 15, 2000.											

Lumber River Basin

Part 3

TMDL has been approved by EPA. Not yet meeting standards.

Name & Description	Class	Index #	Subbasin	Total Miles (Acres)	Use Rating	Cause of Impairment	miles	acres	Approach	Potential Sources	Priority
White Marsh Welch Creek to Richardson Swamp	C Sw	15-4a	30758	5.7	FS	Fish Advisory-Mercury	5.7		Approved	Municipal Point Sources Atmospheric Deposition	
Note: Mercury TMDL submitted to EPA on November 8, 1999. Mercury TMDL approved by EPA September 15, 2000.											
White Marsh From Richardson Swamp to Waccamaw River	C Sw	15-4b	30758	12.6	FS	Fish Advisory-Mercury	12.6		Approved	Municipal Point Sources Atmospheric Deposition	
Note: Mercury TMDL submitted to EPA on November 8, 1999. Mercury TMDL approved by EPA September 15, 2000.											
White Marsh From source to Welch Creek	C Sw	15-4c	30758	5.2	FS	Fish Advisory-Mercury	5.2		Approved	Atmospheric Deposition	
Note: Mercury TMDL submitted to EPA on November 8, 1999. Mercury TMDL approved by EPA September 15, 2000.											

Lumber River Basin

Part 3

TMDL has been approved by EPA. Not yet meeting standards.

Name & Description	Class	Index #	Subbasin	Total Miles (Acres)	Use Rating	Cause of Impairment	miles	acres	Approach	Potential Sources	Priority
Lakes											
Pit Links Lake Moore County		14-PIT LINKS LAKE_MOORE	30750	(1)	NE	Fish Advisory-Mercury		1	Approved		
Note: Mercury TMDL submitted to EPA on November 8, 1999. Mercury TMDL approved by EPA September 15, 2000.											
Watsons Lake Entire lake	B	14-2-11-2	30750	0.8	FS	Fish Advisory-Mercury	0.8		Approved		
Note: Mercury TMDL submitted to EPA on November 8, 1999. Mercury TMDL approved by EPA September 15, 2000.											
Aberdeen Creek [Pages Lake (Aberdeen Lake)] From backwaters of Pages Lake (Aberdeen Lake) at normal lake elevation to dam of Pages Lake (Aberdeen Lake)	B	14-2-11-(5)	30750	0.7 (40)	FS	Fish Advisory-Mercury	0.7	40	Approved		
Note: Mercury TMDL submitted to EPA on November 8, 1999. Mercury TMDL approved by EPA September 15, 2000.											

Lumber River Basin

Part 6

The proper technical conditions do not yet exist to develop TMDLs.

Name & Description	Class	Index #	Subbasin	Total Miles (Acres)	Use Rating	Cause of Impairment	miles	acres	Approach	Potential Sources	Priority
Ocean, Estuarine Areas											
Calabash (DEH Area)	SA	A1		(1138)	PS	Fecal Coliform		1,138	HOLD	Urban Runoff/Storm Sewers Onsite Wastewater Systems (Septic Tanks) Marinas	High
Shallotte River (DEH Area)	SA	A2		(571)	PS	Fecal Coliform		571	HOLD	Urban Runoff/Storm Sewers Onsite Wastewater Systems (Septic Tanks)	Medium
Note: 319 pilot watershed assessment project (20 acre drainage)											
Lockwoods Folly River (DEH Area)	SA	A3		(913)	PS	Fecal Coliform		913	HOLD	Urban Runoff/Storm Sewers Onsite Wastewater Systems (Septic Tanks) Marinas	Low

Lumber Summary

Total waterbody-pollutant/pollution combination miles:	252.4
Total waterbody-pollutantpollution combination acres:	59,623
Number of waterbody-pollutant/pollution combinations:	39

NEUSE River Basin

Part 1

Waters for which TMDLs are required.

Name & Description	Class	Index #	Subbasin	Total Miles (Acres)	Use Rating	Cause of Impairment	miles / acres	Approach	Potential Sources	Priority TMDL Status
Rivers, Streams and Creeks										
Little Lick Creek From source to a point 0.4 mile upstream of Durham County SR 1811	WS-IV NSW	27-9-(0.5)	30401	6.5	NS	Low Dissolved Oxygen	6.5	TMDL	Construction Urban Runoff/Storm Sewers	High
Pigeon House Branch From source to Crabtree Creek	C NSW	27-33-18	30402	2.9	NS	Copper	2.9	TMDL	Urban Runoff/Storm Sewers Industrial Permitted	Medium
Pigeon House Branch From source to Crabtree Creek	C NSW	27-33-18	30402	2.9	NS	Fecal Coliform	2.9	TMDL	Urban Runoff/Storm Sewers Industrial Permitted	Medium
Pigeon House Branch From source to Crabtree Creek	C NSW	27-33-18	30402	2.9	NS	Low Dissolved Oxygen	2.9	TMDL	Urban Runoff/Storm Sewers Industrial Permitted	Medium
Little Contentnea Creek From source to Contentnea Creek	C Sw NSW	27-86-26	30407	27.0	PS	Low Dissolved Oxygen	27.0	TMDL	Irrigated Crop Production Specialty Crop Production Intensive Animal Feeding Operations Aquaculture Off-farm Animal Holding/Management Area	Low
Note: Dissolved oxygen violation in much of this segment may be due to natural swamp conditions. Prior to TMDL development, we must determine whether the low DO is due to natural conditions.										
Creeping Swamp From source to Clayroot Swamp	C Sw NSW	27-97-5-3	30409	6.6	NS	Chlorophyll-a	6.6	TMDL	Nonirrigated Crop Production Channelization	Medium
Note: Not impaired for dissolved oxygen or pH. Data represents natural swamp conditions.										
Trent River From source to mouth of Deep Gully	C Sw NSW	27-101-(1)	30411	71.8	PS	Low Dissolved Oxygen	71.8	TMDL	Agriculture Intensive Animal Feeding Operations Off-farm Animal Holding/Management Area	Medium
Note: Dissolved oxygen violation in much of this segment may be due to natural swamp conditions. Prior to TMDL development, we must determine whether the low DO is due to natural conditions.										

NEUSE River Basin

Part 1

Waters for which TMDLs are required.

Name & Description	Class	Index #	Subbasin	Total Miles (Acres)	Use Rating	Cause of Impairment	miles	acres	Approach	Potential Sources	Priority TMDL Status
Lakes											
Big Lake Entire Lake	B NSW	27-BIG LAKE_WAKE	30402	(62)	PS	Aquatic Weeds		62	TMDL		Low
Reedy Creek Lake Wake County	B-NSW	27-REEDY CREEK LAKE_WAKE	30402	(20)	PS	Aquatic Weeds		20	TMDL		Low
Lake Wackena Wayne County	C-NSW	27-LAKE WACKENA_WAYNE	30405	(165)	PS	Aquatic Weeds		165	TMDL		Low

NEUSE River Basin

Part 1

Waters for which TMDLs are required.

Name & Description	Class	Index #	Subbasin	Total Miles (Acres)	Use Rating	Cause of Impairment	miles	acres	Approach	Potential Sources	Priority TMDL Status
Ocean, Estuarine Areas											
Atlantic Ocean	SB NSW	99-(5)			NR	Fish Advisory-Mercury		44,800	TMDL		Low
The waters of the Atlantic Ocean contiguous to that portion of the Neuse River Basin that extends from the southwest tip of Ocracoke Island to the southwest side of Drum Inlet				(44800)							
Note: Fish Advisory for King Mackerel posted 3-23-2000. North Carolina expects that US EPA will take the lead in developing a regional TMDL.											

NEUSE River Basin

Part 2

Waters affected by pollution. TMDLs are not appropriate.

Name & Description	Class	Index #	Subbasin	Total Miles (Acres)	Use Rating	Cause of Impairment	miles	acres	Approach	Potential Sources	Priority
Rivers, Streams and Creeks											
Flat River From dam at Lake Michie to a point 0.2 miles upstream of Durham County SR 1004	WS-IV NSW	27-3-(8)	30401	2.8	PS	Low Dissolved Oxygen	2.8		MS	Agriculture Flow Regulation/Modification	
Note: Low dissolved oxygen levels appear to be related to hypolimnetic discharges from dam at Lake Michie.											

NEUSE River Basin

Part 2

Waters affected by pollution. TMDLs are not appropriate.

Name & Description	Class	Index #	Subbasin	Total Miles (Acres)	Use Rating	Cause of Impairment	miles	acres	Approach	Potential Sources	Priority
Lakes											
Lake Raleigh Wake County	B-NSW	27-LAKE RALEIGH_WAKE	30402	(90)	NS	Drained		90	MS		

NEUSE River Basin

Part 3

TMDL has been approved by EPA. Not yet meeting standards.

Name & Description	Class	Index #	Subbasin	Total Miles (Acres)	Use Rating	Cause of Impairment	miles	acres	Approach	Potential Sources	Priority
Rivers, Streams and Creeks											
Crabtree Creek From Cary WWTP to Richlands Cr, Wake	B NSW	27-33-(3.5)b	30402	5.0	PS	Low Dissolved Oxygen	5.0		Approved	Land Development Urban Runoff/Storm Sewers	
Note: Wetlands Restoration Project in Umstead State Park area. Activities: Restore incised stream, impacted from blown-out dam and lack of vegetation on banks. Some restoration and enhancement of floodplain wetlands can be accomplished working with existing pond and dam. Must work around historic mill weir. Water Quality Benefits: Bank erosion leading to sedimentation and filling pond, will be able to control the local source, but must look upstream at development. TMDLs for BOD and Nutrients approved by EPA 4-11-94.											
Contentnea Cr (Buckhorn Reservoir) From source to a point 0.6 mile upstream of Marsh Swamp	WS-V NSW	27-86-(1)	30407	9.1	PS	Low Dissolved Oxygen	9.1		Approved	Agriculture	
Note: Wetlands Restoration project. Stream restoration of Hominy Swamp Creek (flows to Contentnea Creek) in City Park, Wilson. Project includes analysis of watershed, assessment and restoration of the stream, and innovative stormwater measures upstream of restored reach. Implementation should reduce sediment in stream, reduce peak flows (from stormwater measures), and reduce nutrients, sediment, and organics from urban runoff. Phased TMDL for dissolved oxygen consuming wastes approved by EPA April, 1994.											

NEUSE River Basin

Part 3

TMDL has been approved by EPA. Not yet meeting standards.

Name & Description	Class	Index #	Subbasin	Total Miles (Acres)	Use Rating	Cause of Impairment	miles	acres	Approach	Potential Sources	Priority
Ocean, Estuarine Areas											
Neuse River (DEH Area)	SC Sw NSW	F8		(9450)	PS	Chlorophyll-a		9,450	Approved	Municipal Point Sources Agriculture Urban Runoff/Storm Sewers Natural Sources	
Neuse River (DEH Area)	SB Sw NSW	F9		(19500)	PS	Chlorophyll-a		19,500	Approved	Municipal Point Sources Agriculture Urban Runoff/Storm Sewers Natural Sources	

NEUSE River Basin

Part 4

Regulatory controls other than TMDLs expected to result in meeting standards by next listing.

Name & Description	Class	Index #	Subbasin	Total Miles (Acres)	Use Rating	Cause of Impairment	miles	acres	Approach	Potential Sources	Priority
Rivers, Streams and Creeks											
Crabtree Creek From Cary WWTP to Richlands Cr, Wake	B NSW	27-33-(3.5)b	30402	5.0	PS	Turbidity	5.0		OTHER	Land Development Urban Runoff/Storm Sewers	Low
Note: Wetlands Restoration Project in Umstead State Park area. Activities: Restore incised stream, impacted from blown-out dam and lack of vegetation on banks. Some restoration and enhancement of floodplain wetlands can be accomplished working with existing pond and dam. Must work around historic mill weir. Water Quality Benefits: Bank erosion leading to sedimentation and filling pond, will be able to control the local source, but must look upstream at development. TMDLs for BOD and Nutrients approved by EPA 4-11-94.											

NEUSE River Basin

Part 5

Biologically impaired waters. Pollution/pollutant monitoring will place waters on Part 1 or Part 2.

Name & Description	Class	Index #	Subbasin	Total Miles (Acres)	Use Rating	Cause of Impairment	miles	acres	Approach	Potential Sources	Priority
Rivers, Streams and Creeks											
North Fork Little River From Source to SR 1519, Orange Co.	WS-II NSW	27-2-21-3a	30401	6.5	PS	Cause Unknown	6.5		PPI	Agriculture	High
South Flat River Source to SR 1009	WS-III NSW	27-3-3a	30401	3.0	PS	Cause Unknown	3.0		PPI	Agriculture Off-farm Animal Holding/Management Area	High
Knap Of Reeds Creek From dam at Butner Lake to a point 1.9 miles downstream of Granville County SR 1120	WS-IV NSW	27-4-(6)	30401	6.0	PS	Cause Unknown	6.0		PPI	Urban Runoff/Storm Sewers Source Unknown	High
Knap Of Reeds Creek From a point 1.9 miles downstream of Granville County SR 1120 to Falls Lake, Neuse River	WS-IV NSW CA	27-4-(8)	30401	0.8	PS	Cause Unknown	0.8		PPI	Urban Runoff/Storm Sewers Source Unknown	High
Ellerbe Creek From source to I-85 Bridge	C NSW	27-5-(0.3)	30401	5.8	NS	Cause Unknown	5.8		PPI	Urban Runoff/Storm Sewers	Medium
Ellerbe Creek From I-85 Bridge to a point 0.2 mile upstream of Durham County SR 1636	WS-IV NSW	27-5-(0.7)	30401	5.9	NS	Cause Unknown	5.9		PPI	Urban Runoff/Storm Sewers	High
Ellerbe Creek From a point 0.2 mile upstream of Durham County SR 1636 to Falls Lake, Neuse River	WS-IV NSW CA	27-5-(2)	30401	0.5	NS	Cause Unknown	0.5		PPI	Minor Non-municipal Urban Runoff/Storm Sewers	High
Little Lick Creek (including portion of Little Lick Creek Arm of Falls Lake) From a point 0.4 mile upstream of Durham SR 1811 to Falls Lake, Neuse River	WS-IV NSW CA	27-9-(2)	30401	0.5	NS	Cause Unknown	0.5		PPI	Construction Urban Runoff/Storm Sewers	High
Lick Creek From source to Wake County SR 1809	WS-IV NSW	27-11-(0.5)	30401	9.9	PS	Historical listing for 'sediment' based on biological impairment	9.9		PPI	Construction Urban Runoff/Storm Sewers	High

NEUSE River Basin

Part 5

Biologically impaired waters. Pollution/pollutant monitoring will place waters on Part 1 or Part 2.

Name & Description	Class	Index #	Subbasin	Total Miles (Acres)	Use Rating	Cause of Impairment	miles	acres	Approach	Potential Sources	Priority
New Light Creek From source to Wake County SR 1911	WS-IV NSW	27-13-(0.1)	30401	8.0	PS	Cause Unknown	8.0		PPI	Agriculture	High
New Light Creek From Wake County SR 1911 to Falls Lake, Neuse River	WS-IV NSW CA	27-13-(2)	30401	0.6	PS	Cause Unknown	0.6		PPI	Agriculture	High
Toms Creek (Mill Creek) From source to Neuse River	C NSW	27-24	30402	4.0	PS	Cause Unknown	4.0		PPI	Minor Non-municipal Land Development Urban Runoff/Storm Sewers	Low
Note: DWQ Special Watersheds Unit project watershed - The DWQ Special Watersheds Unit funded through a CWMTF grant will perform thorough assessment of watershed condition and develop a comprehensive restoration plan by 2003.											
Perry Creek (Greshams Lake) From source to dam at Greshams Lake	B NSW	27-25-(1)	30402	3.6	PS	Cause Unknown	3.6		PPI	Minor Non-municipal Urban Runoff/Storm Sewers	Low
Perry Creek From dam at Greshams Lake to Neuse River	C NSW	27-25-(2)	30402	2.3	PS	Cause Unknown	2.3		PPI	Minor Non-municipal Urban Runoff/Storm Sewers	Low
Crabtree Creek From source to backwaters of Crabtree Lake	C NSW	27-33-(1)	30402	5.8	NS	Cause Unknown	5.8		PPI	Land Development Urban Runoff/Storm Sewers	Medium
Crabtree Creek From backwaters of Crabtree Lake to Ca	B NSW	27-33-(3.5)a	30402	0.2	NS	Historical listing for 'sediment' based on biological impairment	0.2		PPI	Land Development Urban Runoff/Storm Sewers	High
Black Creek From source to Crabtree Lake, Crabtree Cr.	C NSW	27-33-5	30402	3.6	PS	Cause Unknown	3.6		PPI	Urban Runoff/Storm Sewers	Low
Crabtree Creek From mouth of Richlands Creek to US 1	C NSW	27-33-(10)a	30402	8.6	PS	Cause Unknown	8.6		PPI	Urban Runoff/Storm Sewers	Medium
Hare Snipe Creek From dam at Lake Lynn to Crabtree Creek	C NSW	27-33-12-(2)	30402	2.5	PS	Cause Unknown	2.5		PPI	Urban Runoff/Storm Sewers	Low

NEUSE River Basin

Part 5

Biologically impaired waters. Pollution/pollutant monitoring will place waters on Part 1 or Part 2.

Name & Description	Class	Index #	Subbasin	Total Miles (Acres)	Use Rating	Cause of Impairment	miles	acres	Approach	Potential Sources	Priority
Mine Creek From source to Shelly Lake	C NSW	27-33-14a	30402	3.3	PS	Cause Unknown	3.3		PPI	Land Development Urban Runoff/Storm Sewers	Low
Mine Creek From Shelly Lake to Crabree Creek	C NSW	27-33-14b	30402	1.5	NS	Cause Unknown	1.5		PPI	Land Development Urban Runoff/Storm Sewers	Medium
Marsh Creek From source to Crabtree Creek	C NSW	27-33-20	30402	6.4	PS	Historical listing for 'sediment' based on biological impairment	6.4		PPI	Urban Runoff/Storm Sewers	Low
Walnut Creek From dam at Lake Johnson to backwaters of Lake Raleigh	C NSW	27-34-(1.7)	30402	1.3	PS	Cause Unknown	1.3		PPI	Urban Runoff/Storm Sewers	Low
Note: Wetlands Restoration projects. Chavis Park project in Wake County includes analysis of contributing watershed, restoration of the stream and buffers along the stream. Implementation should reduce sediment in stream, reduce peak flows and reduce nutrients, sediment, and organics from urban runoff. The Kentwood Park project in Raleigh aims to restore degraded, incised urban stream back to stable stream type. Activities include planting riparian buffer and working with Raleigh Parks to incorporate recreational areas. Implementation should yield reduced sediment from banks and runoff and reduced stormwater problems due to urban development.											
Walnut Creek (Lake Raleigh) From backwaters of Lake Raleigh to dam at Lake Raleigh	B NSW	27-34-(3.5)	30402	0.7	PS	Cause Unknown	0.7		PPI	Urban Runoff/Storm Sewers	Low
Walnut Creek from SR 2544 (Sunnybrook Rd) to Neuse	C NSW	27-34-(4)b	30402	3.4	PS	Historical listing for 'sediment' based on biological impairment	3.4		PPI	Urban Runoff/Storm Sewers	Low
Note: Wetlands Restoration projects. Chavis Park project in Wake County includes analysis of contributing watershed, restoration of the stream and buffers along the stream. Implementation should reduce sediment in stream, reduce peak flows and reduce nutrients, sediment, and organics from urban runoff. The Kentwood Park project in Raleigh aims to restore degraded, incised urban stream back to stable stream type. Activities include planting riparian buffer and working with Raleigh Parks to incorporate recreational areas. Implementation should yield reduced sediment from banks and runoff and reduced stormwater problems due to urban development.											
Walnut Creek From dam at Lake Raleigh to SR 2544	C NSW	27-34-(4)a	30402	7.2	NS	Historical listing for 'sediment' based on biological impairment	7.2		PPI	Urban Runoff/Storm Sewers	Medium
Note: Wetlands Restoration projects. Chavis Park project in Wake County includes analysis of contributing watershed, restoration of the stream and buffers along the stream. Implementation should reduce sediment in stream, reduce peak flows and reduce nutrients, sediment, and organics from urban runoff. The Kentwood Park project in Raleigh aims to restore degraded, incised urban stream back to stable stream type. Activities include planting riparian buffer and working with Raleigh Parks to incorporate recreational areas. Implementation should yield reduced sediment from banks and runoff and reduced stormwater problems due to urban development.											

NEUSE River Basin

Part 5

Biologically impaired waters. Pollution/pollutant monitoring will place waters on Part 1 or Part 2.

Name & Description	Class	Index #	Subbasin	Total Miles (Acres)	Use Rating	Cause of Impairment	miles	acres	Approach	Potential Sources	Priority
Swift Creek From source to Holly Springs Rd. Wake	WS-III NSW	27-43-(1)a	30402	2.2	NS	Historical listing for 'sediment' based on biological impairment	2.2		PPI	Agriculture Land Development Urban Runoff/Storm Sewers	High
Note: DWQ Special Watersheds Unit project watershed - The DWQ Special Watersheds Unit funded through a CWMTF grant will perform thorough assessment of watershed condition and develop a comprehensive restoration plan by 2003.											
Swift Creek From Holly Springs Rd to .6 mile upsteram	WS-III NSW	27-43-(1)b	30402	7.0	PS	Historical listing for 'sediment' based on biological impairment	7.0		PPI	Urban Runoff/Storm Sewers	High
Note: DWQ Special Watersheds Unit project watershed - The DWQ Special Watersheds Unit funded through a CWMTF grant will perform thorough assessment of watershed condition and develop a comprehensive restoration plan by 2003.											
Williams Creek From source to Swift Creek	WS-III NSW	27-43-2	30402	4.8	PS	Cause Unknown	4.8		PPI	Construction Urban Runoff/Storm Sewers	High
Note: DWQ Special Watersheds Unit project watershed - The DWQ Special Watersheds Unit funded through a CWMTF grant will perform thorough assessment of watershed condition and develop a comprehensive restoration plan by 2003.											
Little Creek From source to Swift Creek	C NSW	27-43-12	30402	12.0	PS	Historical listing for 'sediment' based on biological impairment	12.0		PPI	Agriculture Urban Runoff/Storm Sewers	Low
Stoney Creek From source to Neuse River	C NSW	27-62	30405	10.2	NS	Cause Unknown	10.2		PPI	Urban Runoff/Storm Sewers	Medium
Note: DWQ Special Watersheds Assessment Unit and 319 project watershed - The DWQ Special Watersheds Unit funded through a CWMTF grant will perform thorough assessment of watershed condition and develop a comprehensive restoration plan by 2003. The Middle Neuse NPS team identified Stoney Creek as a high restoration priority. The 319 project built a foundation of active and interested stakeholders for participation in the larger assessment, restoration plan, and eventual implementation.											
Bear Creek From source to Neuse River	C Sw NSW	27-72	30405	15.8	PS	Historical listing for 'sediment' based on biological impairment	15.8		PPI	Agriculture	Low
Note: DWQ Special Watersheds Assessment Unit project watershed - The DWQ Special Watersheds Unit funded through a CWMTF grant will perform thorough assessment of watershed condition and develop a comprehensive restoration plan by 2003. Members of the middle Neuse NPS team have developed an active stakeholder core in this area.											
Buffalo Creek From dam at Robertsons Pond to a point 200 feet upstream from West Haywood Street near Wendell	B NSW	27-57-16-(2)	30406	5.6	NS	Historical listing for 'sediment' based on biological impairment	5.6		PPI	Agriculture	Medium

NEUSE River Basin

Part 5

Biologically impaired waters. Pollution/pollutant monitoring will place waters on Part 1 or Part 2.

Name & Description	Class	Index #	Subbasin	Total Miles (Acres)	Use Rating	Cause of Impairment	miles	acres	Approach	Potential Sources	Priority
Buffalo Creek (Wendell Lake) From a point 200 feet upstream from West Haywood Street near Wendell to Little River	C NSW	27-57-16-(3)	30406	20.9	PS	Historical listing for 'sediment' based on biological impairment	20.9		PPI	Agriculture Construction	High
Contentnea Cr (Buckhorn Reservoir) From source to a point 0.6 mile upstream of Marsh Swamp	WS-V NSW	27-86-(1)	30407	9.1	PS	Historical listing for 'sediment' based on biological impairment	9.1		PPI	Agriculture	High
Note: Wetlands Restoration project. Stream restoration of Hominy Swamp Creek (flows to Contentnea Creek) in City Park, Wilson. Project includes analysis of watershed, assessment and restoration of the stream, and innovative stormwater measures upstream of restored reach. Implementation should reduce sediment in stream, reduce peak flows (from stormwater measures), and reduce nutrients, sediment, and organics from urban runoff. Phased TMDL for dissolved oxygen consuming wastes approved by EPA April, 1994.											
Little Creek (West Side) From source to Moccasin Creek	C NSW	27-86-2-4	30407	4.5	NS	Cause Unknown	4.5		PPI	Agriculture	Medium
Beaverdam Creek From source to Turkey Creek	C NSW	27-86-3-8	30407	5.7	PS	Historical listing for 'sediment' based on biological impairment	5.7		PPI	Municipal Point Sources Agriculture	Low
Contentnea Creek From a point 0.6 mile upstream of Marsh Swamp to a point 0.6 mile downstream of Shepard Branch	WS-IV NSW	27-86-(4.5)	30407	7.2	PS	Historical listing for 'sediment' based on biological impairment	7.2		PPI	Agriculture	High
Note: Wetlands Restoration project in Lenoir County (Patel Property, near Green County Line). Activities: Will have permanent monitoring station to collect data used for wetland reference. Water Quality Benefits: Will preserve a riparian buffer area on the Contentnea Creek.											
Contentnea Creek (Wiggins Mill Reservoir) From a point 0.6 mile downstream of Shepard Branch to dam at Wilson Water Supply Intake (Wiggins Mill Reservoir)	WS-IV NSW CA	27-86-(5.8)	30407	4.0	PS	Historical listing for 'sediment' based on biological impairment	4.0		PPI	Agriculture	High

NEUSE River Basin

Part 5

Biologically impaired waters. Pollution/pollutant monitoring will place waters on Part 1 or Part 2.

Name & Description	Class	Index #	Subbasin	Total Miles (Acres)	Use Rating	Cause of Impairment	miles	acres	Approach	Potential Sources	Priority
Contentnea Creek From dam at Wilson Water Supply to NC	C Sw NSW	27-86-(7)a	30407	18.2	PS	Historical listing for 'sediment' based on biological impairment	18.2		PPI	Municipal Pretreatment (indirect dischargers) Nonirrigated Crop Production Pasture grazing - Riparian and/or Upland Intensive Animal Feeding Operations Off-farm Animal Holding/Management Area	Low
Note: Wetlands Restoration project in Lenoir County (Patel Property, near Green County Line). Activities: Will have permanent monitoring station to collect data used for wetland reference. Water Quality Benefits: Will preserve a riparian buffer area on the Contentnea Creek.											
Turner Swamp From source to Contentnea Creek	C Sw NSW	27-86-9.5	30407	4.6	NE	Cause Unknown	4.6		PPI		Low
Nahunta Swamp From source to Contentnea Creek	C Sw NSW	27-86-14	30407	27.1	PS	Cause Unknown	27.1		PPI	Municipal Point Sources Agriculture	Low
Note: 319 Incremental Project - Conservation Tillage Cotton Project. Install conservation tillage on ~18% of cotton acreage in the drainage area											
Core Creek From source to Neuse River	C Sw NSW	27-90	30408	18.5	PS	Historical listing for 'sediment' based on biological impairment	18.5		PPI	Nonirrigated Crop Production Intensive Animal Feeding Operations Off-farm Animal Holding/Management Area Channelization	High
Swift Creek Source to Palmello Swamp	C Sw NSW	27-97-(0.5)a	30409	25.9	NS	Cause Unknown	25.9		PPI	Agriculture Channelization	High
Swift Creek Palmetto Swamp to Bear Br	C Sw NSW	27-97-(0.5)b	30409	10.9	PS	Historical listing for 'sediment' based on biological impairment	10.9		PPI	Nonirrigated Crop Production Channelization	Low
Clayroot Swamp From source to Swift Creek	C Sw NSW	27-97-5	30409	12.6	NS	Cause Unknown	12.6		PPI	Agriculture Channelization	Medium
Brice Creek From source to Craven County SR 1004	C Sw NSW	27-101-40-(1)	30410	21.4	NE	Cause Unknown	21.4		PPI	Nonirrigated Crop Production	High

NEUSE River Basin

Part 5

Biologically impaired waters. Pollution/pollutant monitoring will place waters on Part 1 or Part 2.

Name & Description	Class	Index #	Subbasin	Total Miles (Acres)	Use Rating	Cause of Impairment	miles	acres	Approach	Potential Sources	Priority
Beaver Creek From source to Trent River	C Sw NSW	27-101-15	30411	8.0	PS	Cause Unknown	8.0		PPI	Nonirrigated Crop Production Off-farm Animal Holding/Management Area Forest Management (pumped drainage, fertilization, pesticide application)	Low

NEUSE River Basin

Part 6

The proper technical conditions do not yet exist to develop TMDLs.

Name & Description	Class	Index #	Subbasin	Total Miles (Acres)	Use Rating	Cause of Impairment	miles	acres	Approach	Potential Sources	Priority
Ocean, Estuarine Areas											
Neuse River (DEH Area)	SA NSW	F1		(900)	PS	Fecal Coliform		900	HOLD	Municipal Point Sources Agriculture Urban Runoff/Storm Sewers Marinas	Low
Merrimon (DEH Area)	SA NSW	F2		(1475)	PS	Fecal Coliform		1,475	HOLD	Agriculture Silviculture	Medium
West Bay (DEH Area)	SA NSW	F3		(12)	PS	Fecal Coliform		12	HOLD	Natural Sources	Low
Cedar Island (DEH Area)	SA ORW NSW	F4		(13)	PS	Fecal Coliform		13	HOLD	Marinas	Low
Oriental (DEH Area)	SA NSW	F5		(851)	PS	Fecal Coliform		851	HOLD	Municipal Point Sources Agriculture Urban Runoff/Storm Sewers Onsite Wastewater Systems (Septic Tanks) Marinas	Low
Bay River (DEH Area)	SA NSW	F6		(337)	PS	Fecal Coliform		337	HOLD	Municipal Point Sources Off-farm Animal Holding/Management Area Urban Runoff/Storm Sewers Onsite Wastewater Systems (Septic Tanks) Marinas	Low

NEUSE River Basin

Part 6

The proper technical conditions do not yet exist to develop TMDLs.

Name & Description	Class	Index #	Subbasin	Total Miles (Acres)	Use Rating	Cause of Impairment	miles	acres	Approach	Potential Sources	Priority

NEUSE Summary

Total waterbody-pollutant/pollution combination miles:	500.6
Total waterbody-pollutantpollution combination acres:	77,675
Number of waterbody-pollutant/pollution combinations:	72

New River Basin

Part 1

Waters for which TMDLs are required.

Name & Description	Class	Index #	Subbasin	Total Miles (Acres)	Use Rating	Cause of Impairment	miles	acres	Approach	Potential Sources	Priority TMDL Status
Rivers, Streams and Creeks											
Peak Creek From Ore Knob Branch to South Fork New River	B Tr +	10-1-35-(2)b	50701	2.9	NS	pH	2.9		TMDL	Abandoned mining	Medium
Note: Clean Water Management Trust Fund, US Army Corps. of Engineers, Environmental Defense Fund, and NC Department of Environment and Natural Resources project being implemented to reduce acidic mine drainage from abandoned Ore Knobb mine. Previous 319 program site. Sediment was listed in error on the 1998 list.											
Ore Knob Branch From source to Peak Creek	B Tr +	10-1-35-3	50701	0.9	NS	Copper	0.9		TMDL	Abandoned mining	Medium
Note: Clean Water Management Trust Fund, US Army Corps. of Engineers, Environmental Defense Fund, and NC Department of Environment and Natural Resources project being implemented to reduce acidic mine drainage from abandoned Ore Knobb mine. Previous 319 program site.											
Ore Knob Branch From source to Peak Creek	B Tr +	10-1-35-3	50701	0.9	NS	pH	0.9		TMDL	Abandoned mining	Medium
Note: Clean Water Management Trust Fund, US Army Corps. of Engineers, Environmental Defense Fund, and NC Department of Environment and Natural Resources project being implemented to reduce acidic mine drainage from abandoned Ore Knobb mine. Previous 319 program site.											
Ore Knob Branch From source to Peak Creek	B Tr +	10-1-35-3	50701	0.9	NS	Zinc	0.9		TMDL	Abandoned mining	Medium
Note: Clean Water Management Trust Fund, US Army Corps. of Engineers, Environmental Defense Fund, and NC Department of Environment and Natural Resources project being implemented to reduce acidic mine drainage from abandoned Ore Knobb mine. Previous 319 program site.											
Ore Knob Branch From source to Peak Creek	B Tr +	10-1-35-3	50701	0.9	NS	Iron	0.9		TMDL	Abandoned mining	Medium
Note: Clean Water Management Trust Fund, US Army Corps. of Engineers, Environmental Defense Fund, and NC Department of Environment and Natural Resources project being implemented to reduce acidic mine drainage from abandoned Ore Knobb mine. Previous 319 program site.											
Little Peak Creek From source to Peak Creek	B Tr +	10-1-35-4	50701	2.4	NS	Copper	2.4		TMDL	Agriculture Abandoned mining	Medium
Note: Clean Water Management Trust Fund, US Army Corps. of Engineers, Environmental Defense Fund, and NC Department of Environment and Natural Resources project being implemented to reduce acidic mine drainage from abandoned Ore Knobb mine. Previous 319 program site. This water was listed in 1998 for biological impairment. The water is now listed for the identified causes of impairment.											
Little Peak Creek From source to Peak Creek	B Tr +	10-1-35-4	50701	2.4	NS	pH	2.4		TMDL	Agriculture Abandoned mining	Medium
Note: Clean Water Management Trust Fund, US Army Corps. of Engineers, Environmental Defense Fund, and NC Department of Environment and Natural Resources project being implemented to reduce acidic mine drainage from abandoned Ore Knobb mine. Previous 319 program site. This water was listed in 1998 for biological impairment. The water is now listed for the identified causes of impairment.											

New River Basin

Part 4

Regulatory controls other than TMDLs expected to result in meeting standards by next listing.

Name & Description	Class	Index #	Subbasin	Total Miles (Acres)	Use Rating	Cause of Impairment	miles	acres	Approach	Potential Sources	Priority
Rivers, Streams and Creeks											
Little Buffalo Creek From source to Buffalo Creek	C Tr +	10-2-20-1	50702	3.8	PS	Nutrients	3.8		OTHER	Minor Municipal Point Source Urban Runoff/Storm Sewers	Low
Note: NPDES compliance issue.											

New River Basin

Part 5

Biologically impaired waters. Pollution/pollutant monitoring will place waters on Part 1 or Part 2.

Name & Description	Class	Index #	Subbasin	Total Miles (Acres)	Use Rating	Cause of Impairment	miles	acres	Approach	Potential Sources	Priority
Rivers, Streams and Creeks											
Naked Creek From Jefferson WWTP to South Fork New River	C +	10-1-32b	50701	2.0	NS	Cause Unknown	2.0		PPI	Minor Municipal Point Source Land Development Urban Runoff/Storm Sewers	Low
Naked Creek From Jefferson WWTP to South Fork New River	C +	10-1-32b	50701	2.0	NS	Historical listing for 'sediment' based on biological impairment	2.0		PPI	Minor Municipal Point Source Land Development Urban Runoff/Storm Sewers	Low
Little Buffalo Creek From source to Buffalo Creek	C Tr +	10-2-20-1	50702	3.8	PS	Cause Unknown	3.8		PPI	Minor Municipal Point Source Urban Runoff/Storm Sewers	Low
Note: NPDES compliance issue.											

New Summary

Total waterbody-pollutant/pollution combination miles:	22.8
Total waterbody-pollutantpollution combination acres:	0
Number of waterbody-pollutant/pollution combinations:	11

PASQUOTANK River Basin

Part 1

Waters for which TMDLs are required.

Name & Description	Class	Index #	Subbasin	Total Miles (Acres)	Use Rating	Cause of Impairment	miles	acres	Approach	Potential Sources	Priority TMDL Status
Rivers, Streams and Creeks											
Little River From source to mouth of Halls Creek	C Sw	30-5-(1)	30152	11.8	PS	Low Dissolved Oxygen	11.8		TMDL	Nonirrigated Crop Production Off-farm Animal Holding/Management Area Land Development Onsite Wastewater Systems (Septic Tanks)	Low
Note: Swamp conditions combined with agricultural runoff are thought to be contributing to the impairment. Prior to TMDL development, DWQ will determine whether low DO is due to natural conditions. This river is on the priority target list for the attention by the NPS team.											
Kendrick Creek (Mackeys Creek) From source to U.S. Hwy. 64 at Roper	C Sw	30-9-(1)	30153	13.2	PS	Low Dissolved Oxygen	13.2		TMDL	Municipal Point Sources Nonirrigated Crop Production Off-farm Animal Holding/Management Area	Low
Note: It is likely that pH and DO values are due to natural conditions. Prior to TMDL development, DWQ will determine whether DO and pH values are due to natural conditions. Clean Water Management Trust Fund Project to clean-up and preserve a water greenway property of 10,000 linear feet along Kendrick Creek is underway.											
Kendrick Creek (Mackeys Creek) From source to U.S. Hwy. 64 at Roper	C Sw	30-9-(1)	30153	13.2	PS	pH	13.2		TMDL	Municipal Point Sources Nonirrigated Crop Production Off-farm Animal Holding/Management Area	Low
Note: It is likely that pH and DO values are due to natural conditions. Prior to TMDL development, DWQ will determine whether DO and pH values are due to natural conditions. Clean Water Management Trust Fund Project to clean-up and preserve a water greenway property of 10,000 linear feet along Kendrick Creek is underway.											
Scuppernong River From source to mouth of Riders Creek (First Creek)	C Sw	30-14-4-(1)	30153	15.2	PS	Low Dissolved Oxygen	15.2		TMDL	Municipal Point Sources Nonirrigated Crop Production Specialty Crop Production Off-farm Animal Holding/Management Area	Low
Note: This river segment is located in a swampy area. Prior to TMDL development, DWQ will determine whether DO and pH values are due to natural conditions.											
Scuppernong River From source to mouth of Riders Creek (First Creek)	C Sw	30-14-4-(1)	30153	15.2	PS	pH	15.2		TMDL	Municipal Point Sources Nonirrigated Crop Production Specialty Crop Production Off-farm Animal Holding/Management Area	Low
Note: This river segment is located in a swampy area. Prior to TMDL development, DWQ will determine whether DO and pH values are due to natural conditions.											

PASQUOTANK River Basin

Part 1

Waters for which TMDLs are required.

Name & Description	Class	Index #	Subbasin	Total Miles (Acres)	Use Rating	Cause of Impairment	miles	acres	Approach	Potential Sources	Priority TMDL Status
Lakes											
Phelps Lake Washington County	C SW	30-PHELPS LAKE_WASHINGTON	30153	(16600)	FS	Fish Advisory-Mercury		16,600	TMDL		Low

PASQUOTANK River Basin

Part 1

Waters for which TMDLs are required.

Name & Description	Class	Index #	Subbasin	Total Miles (Acres)	Use Rating	Cause of Impairment	miles	acres	Approach	Potential Sources	Priority TMDL Status
Ocean, Estuarine Areas											
Little River (DEH Area)	SC	I6		(1125)	PS	Low Dissolved Oxygen		1,125	TMDL	Agriculture Onsite Wastewater Systems (Septic Tanks)	Low
Note: Dissolved oxygen violation in much of this segment may be due to natural swamp conditions. Prior to TMDL development, we must determine whether the low DO is due to natural conditions.											
Atlantic Ocean The waters of the Atlantic Ocean contiguous to that portion of Pasquotank River Basin that extends from the North Carolina-Virginia State Line to the northeast tip of Ocracoke Island.	SB	99-(7)		(216960)	NR	Fish Advisory-Mercury		216,960	TMDL		Low
Note: Fish Advisory for King Mackerel posted 3-23-2000. North Carolina expects that US EPA will take the lead in developing a regional TMDL.											

PASQUOTANK River Basin

Part 5

Biologically impaired waters. Pollution/pollutant monitoring will place waters on Part 1 or Part 2.

Name & Description	Class	Index #	Subbasin	Total Miles (Acres)	Use Rating	Cause of Impairment	miles	acres	Approach	Potential Sources	Priority
Rivers, Streams and Creeks											
Main Canal From source to Kendrick Creek	C Sw	30-9-4	30153	5.0	PS	Cause Unknown	5.0		PPI	Nonirrigated Crop Production Intensive Animal Feeding Operations Off-farm Animal Holding/Management Area	Low

PASQUOTANK River Basin

Part 6

The proper technical conditions do not yet exist to develop TMDLs.

Name & Description	Class	Index #	Subbasin	Total Miles (Acres)	Use Rating	Cause of Impairment	miles	acres	Approach	Potential Sources	Priority
Ocean, Estuarine Areas											
Roanoke Sound (DEH Area)	SA	H1		(1950)	PS	Fecal Coliform		1,950	HOLD	Municipal Point Sources Urban Runoff/Storm Sewers Onsite Wastewater Systems (Septic Tanks) Marinas	High
Croatan Sound (DEH Area)	SA	H2		(891)	PS	Fecal Coliform		891	HOLD	Urban Runoff/Storm Sewers Onsite Wastewater Systems (Septic Tanks) Marinas	High
Stumpy Sound (DEH Area)	SA	H3		(265)	PS	Fecal Coliform		265	HOLD	Onsite Wastewater Systems (Septic Tanks)	Low
Hatteras (DEH Area)	SA	H4		(625)	PS	Fecal Coliform		625	HOLD	Urban Runoff/Storm Sewers Onsite Wastewater Systems (Septic Tanks) Marinas	High
Outer Banks (DEH Area)	SA	H5		(331)	PS	Fecal Coliform		331	HOLD	Urban Runoff/Storm Sewers Onsite Wastewater Systems (Septic Tanks) Marinas	High
Eastern Albemarle Sound (DEH Area)	SA	I2		(800)	PS	Fecal Coliform		800	HOLD	Urban Runoff/Storm Sewers Onsite Wastewater Systems (Septic Tanks)	Low

PASQUOTANK Summary

Total waterbody-pollutant/pollution combination miles:	73.6
Total waterbody-pollutantpollution combination acres:	239,547
Number of waterbody-pollutant/pollution combinations:	15

ROANOKE River Basin

Part 1

Waters for which TMDLs are required.

Name & Description	Class	Index #	Subbasin	Total Miles (Acres)	Use Rating	Cause of Impairment	miles	acres	Approach	Potential Sources	Priority TMDL Status
Rivers, Streams and Creeks											
Marlowe Creek From source to Storys Creek	C	22-58-12-6	30205	2.7	PS	Copper	2.7		TMDL	Municipal Pretreatment (indirect dischargers) Minor Non-municipal	Low
Note: This creek has a 7Q10 of 0 and a 30Q2 of 0.1 cfs. The Roxboro WWTP effluent dominates the receiving stream. The latest 5 years of data (93-98) show a declining trend for copper. There is a rating curve for this creek at SR 1322 near Woodsdale.											

ROANOKE River Basin

Part 1

Waters for which TMDLs are required.

Name & Description	Class	Index #	Subbasin	Total Miles (Acres)	Use Rating	Cause of Impairment	miles	acres	Approach	Potential Sources	Priority TMDL Status
Lakes											
Hyco Lake Person County	B	22-HYCO LAKE_PERSON	30205	(3750)	FS	Fish Advisory-Selenium		3,750	TMDL		Low Development
Roanoke Rapids Lake Northampton County	WSIV, B	23-ROANOKE RAPIDS LAKE_NORTHAMPTON	30208	(4893)	PS	Aquatic Weeds		4,893	TMDL		High

ROANOKE River Basin

Part 3

TMDL has been approved by EPA. Not yet meeting standards.

Name & Description	Class	Index #	Subbasin	Total Miles (Acres)	Use Rating	Cause of Impairment	miles	acres	Approach	Potential Sources	Priority
Rivers, Streams and Creeks											
Roanoke River From Roanoke Rapids Dam to a point 0.6 mile upstream of N.C. Hwy. 48 bridge	WS-IV	23-(25)		1.0		Fish Advisory-Dioxins	1.0		Approved		
Note: TMDL for dioxins approved by EPA 11-4-1996.											
Roanoke River From a point 0.6 mile upstream of N.C. Hwy. 48 bridge to a line across river 50 feet downstream of N.C. Hwy. 48 (City of Roanoke Rapids, Town of Weldon water supply intakes)	WS-IV CA	23-(25.5)		0.6		Fish Advisory-Dioxins	0.6		Approved		
Note: TMDL for dioxins approved by EPA 11-4-1996.											
Roanoke River From a line across the river 50 feet downstream from N.C. Hwy. 48 bridge to 18 mile marker at Jamesville	C	23-(26)		110.9		Fish Advisory-Dioxins	110.9		Approved		
Note: TMDL for dioxins approved by EPA 11-4-1996.											
Roanoke River From 18 mile marker at Jamesville to Albemarle Sound (Batchelor Bay)	C Sw	23-(53)		18.3		Fish Advisory-Dioxins	18.3		Approved		
Note: TMDL for dioxins approved by EPA 11-4-1996.											
Welch Creek From source to Roanoke River	C Sw	23-55		13.6		Fish Advisory-Dioxins	13.6		Approved		
Note: TMDL for Dioxins approved by EPA 11-4-1996.											

ROANOKE River Basin

Part 4

Regulatory controls other than TMDLs expected to result in meeting standards by next listing.

Name & Description	Class	Index #	Subbasin	Total Miles (Acres)	Use Rating	Cause of Impairment	miles	acres	Approach	Potential Sources	Priority
Lakes											
Belews Lake Rockingham County	WSIV,B,C	22-BELEWS LAKE_ROCKINGHAM	30201	(4030)	FS	Fish Advisory-Selenium		4,030	OTHER		High
Note: Discharge removed from Belews Lake May, 1985. Although it will probably take a long time for selenium levels to fall in fish tissue, no further controls are needed.											

ROANOKE River Basin

Part 5

Biologically impaired waters. Pollution/pollutant monitoring will place waters on Part 1 or Part 2.

Name & Description	Class	Index #	Subbasin	Total Miles (Acres)	Use Rating	Cause of Impairment	miles	acres	Approach	Potential Sources	Priority
Rivers, Streams and Creeks											
Marlowe Creek From source to Storys Creek	C	22-58-12-6	30205	2.7	PS	Historical listing for 'sediment' based on biological impairment	2.7		PPI	Municipal Pretreatment (indirect dischargers) Minor Non-municipal	Low
Note: This creek has a 7Q10 of 0 and a 30Q2 of 0.1 cfs. The Roxboro WWTP effluent dominates the receiving stream. The latest 5 years of data (93-98) show a declining trend for copper. There is a rating curve for this creek at SR 1322 near Woodsdale.											
Nutbush Creek (Including Nutbush Creek Arm of John H. Kerr Reservoir below normal pool elevation) From source to Crooked Run	C	23-8-(1)	30206	2.0	PS	Cause Unknown	2.0		PPI	Municipal Pretreatment (indirect dischargers) Urban Runoff/Storm Sewers	Low
Smith Creek From source to North Carolina-Virginia State Line	C	23-10	30207	11.6	PS	Historical listing for 'sediment' based on biological impairment	11.6		PPI	Agriculture	Low
Quankey Creek From source to Roanoke River	C	23-30	30208	19.4	PS	Cause Unknown	19.4		PPI	Municipal Point Sources Minor Non-municipal Harvesting, Restoration, Residue Management Dam Construction Natural Sources	Low

ROANOKE Summary

Total waterbody-pollutant/pollution combination miles:	182.8
Total waterbody-pollutantpollution combination acres:	12,673
Number of waterbody-pollutant/pollution combinations:	13

SAVANNAH River Basin

Part 5

Biologically impaired waters. Pollution/pollutant monitoring will place waters on Part 1 or Part 2.

Name & Description	Class	Index #	Subbasin	Total Miles (Acres)	Use Rating	Cause of Impairment	miles	acres	Approach	Potential Sources	Priority
Rivers, Streams and Creeks											
Norton Mill Creek From source to Chattooga River	C Tr +	3-3	31301	4.5	PS	Historical listing for 'sediment' based on biological impairment	4.5		PPI		Low

SAVANNAH Summary

Total waterbody-pollutant/pollution combination miles:	4.5
Total waterbody-pollutantpollution combination acres:	0
Number of waterbody-pollutant/pollution combinations:	1

Tar Pamlico River Basin

Part 1

Waters for which TMDLs are required.

Name & Description	Class	Index #	Subbasin	Total Miles (Acres)	Use Rating	Cause of Impairment	miles	acres	Approach	Potential Sources	Priority TMDL Status
Rivers, Streams and Creeks											
Chicod Creek From source to Tar River	C NSW	28-101	30305	13.0	PS	Fecal Coliform	13.0		TMDL	Agriculture	Low
Note: Dissolved oxygen violation in much of this segment may be due to natural swamp conditions. Prior to TMDL development, we must determine whether the low DO is due to natural conditions. A significant effort has been made to implement BMPs in the watershed, supported by $363,659 in Section 104(b)(3) funds and $40,330 in Agricultural Cost Share Program funds. See 1999 Tar Pamlico Basinwide Water Quality Plan, page 146 for more information. No longer impaired for ammonia. New chemical/physical data.											
Chicod Creek From source to Tar River	C NSW	28-101	30305	13.0	PS	Low Dissolved Oxygen	13.0		TMDL	Agriculture	Low
Note: Dissolved oxygen violation in much of this segment may be due to natural swamp conditions. Prior to TMDL development, we must determine whether the low DO is due to natural conditions. A significant effort has been made to implement BMPs in the watershed, supported by $363,659 in Section 104(b)(3) funds and $40,330 in Agricultural Cost Share Program funds. See 1999 Tar Pamlico Basinwide Water Quality Plan, page 146 for more information. No longer impaired for ammonia. New chemical/physical data.											

Tar Pamlico River Basin

Part 1

Waters for which TMDLs are required.

Name & Description	Class	Index #	Subbasin	Total Miles (Acres)	Use Rating	Cause of Impairment	miles	acres	Approach	Potential Sources	Priority TMDL Status
Ocean, Estuarine Areas											
Atlantic Ocean	SB	99-(6)			NR	Fish Advisory-Mercury		30,080	TMDL		Low
The waters of the Atlantic Ocean contiguous to that portion of the Tar-Pamlico River Basin that extends from the northeast tip of Ocracoke Island to the southwest tip of Ocracoke Island				(30080)							
Note: Fish Advisory for King Mackerel posted 3-23-2000. North Carolina expects that US EPA will take the lead in developing a regional TMDL.											

Tar Pamlico River Basin

Part 3

TMDL has been approved by EPA. Not yet meeting standards.

Name & Description	Class	Index #	Subbasin	Total Miles (Acres)	Use Rating	Cause of Impairment	miles	acres	Approach	Potential Sources	Priority
Ocean, Estuarine Areas											
Pamlico River (DEH Area)		G11		(3455)	PS	Chlorophyll-a		3,455	Approved		
Note: TMDL for nutrients approved by EPA August, 1995.											

Tar Pamlico River Basin

Part 5

Biologically impaired waters. Pollution/pollutant monitoring will place waters on Part 1 or Part 2.

Name & Description	Class	Index #	Subbasin	Total Miles (Acres)	Use Rating	Cause of Impairment	miles	acres	Approach	Potential Sources	Priority
Rivers, Streams and Creeks											
Fishing Creek From source to SR1649	C NSW	28-11a	30301	2.0	NR	Historical listing for 'sediment' based on biological impairment	2.0		PPI		Low
Fishing Creek From source to SR1649	C NSW	28-11a	30301	2.0	NR	Cause Unknown	2.0		PPI		Low
Fishing Creek From SR1649 to Oxford WWTP	C NSW	28-11b	30301	0.4	NR	Historical listing for 'sediment' based on biological impairment	0.4		PPI		Low
Fishing Creek From SR1649 to Oxford WWTP	C NSW	28-11b	30301	0.4	NR	Cause Unknown	0.4		PPI		Low
Fishing Creek From Oxford WWTP to SR 1608	C NSW	28-11c	30301	0.9	NS	Historical listing for 'sediment' based on biological impairment	0.9		PPI	Municipal Point Sources Urban Runoff/Storm Sewers	Medium
Fishing Creek From Oxford WWTP to SR 1608	C NSW	28-11c	30301	0.9	NS	Cause Unknown	0.9		PPI	Municipal Point Sources Urban Runoff/Storm Sewers	Medium
Fishing Creek From SR1608 to Coon Creek	C NSW	28-11d	30301	1.0	NS	Cause Unknown	1.0		PPI	Municipal Point Sources Urban Runoff/Storm Sewers	Medium
Fishing Creek From Coon Creek to Tar River	C NSW	28-11e	30301	6.1	PS	Cause Unknown	6.1		PPI	Urban Runoff/Storm Sewers	Low
Stony Creek (Boddies Millpond) From source to Tar River	C NSW	28-68	30302	23.3	PS	Historical listing for 'sediment' based on biological impairment	23.3		PPI	Source Unknown	High
Stony Creek (Boddies Millpond) From source to Tar River	C NSW	28-68	30302	23.3	PS	Cause Unknown	23.2		PPI	Source Unknown	High
Sandy Creek From dam at Southerlands Pond to NC Hwy 401	B NSW	28-78-1-(8)a	30302	3.8	PS	Cause Unknown	3.8		PPI		Medium

Tar Pamlico River Basin

Part 5

Biologically impaired waters. Pollution/pollutant monitoring will place waters on Part 1 or Part 2.

Name & Description	Class	Index #	Subbasin	Total Miles (Acres)	Use Rating	Cause of Impairment	miles	acres	Approach	Potential Sources	Priority
Sandy Creek From Hwy 401 to NC Hwy 561	B NSW	28-78-1-(8)b	30302	12.2	PS	Cause Unknown	12.2		PPI		Medium
Conetoe Creek From source to Pitt County SR 1404	C NSW	28-87-(0.5)	30303	15.3	PS	Cause Unknown	15.3		PPI	Municipal Point Sources Nonirrigated Crop Production Channelization	Low
Note: DWQ Special Watersheds Assessment Unit project watershed - The DWQ Special Watersheds Unit funded through a Clean Water Management Trust Fund grant will perform thorough assessment of watershed condition and develop a comprehensive restoration plan by 2003. No longer impaired for pH, sediment. New chemical/physical data.											
Chicod Creek From source to Tar River	C NSW	28-101	30305	13.0	PS	Historical listing for 'sediment' based on biological impairment	13.0		PPI	Agriculture	Low
Note: Dissolved oxygen violation in much of this segment may be due to natural swamp conditions. Prior to TMDL development, we must determine whether the low DO is due to natural conditions. A significant effort has been made to implement BMPs in the watershed, supported by $363,659 in Section 104(b)(3) funds and $40,330 in Agricultural Cost Share Program funds. See 1999 Tar Pamlico Basinwide Water Quality Plan, page 146 for more information. No longer impaired for ammonia. New chemical/physical data.											
Kennedy Creek From source to Tar River	C NSW	28-104	30307	0.8	PS	Cause Unknown	0.8		PPI	Municipal Pretreatment (indirect dischargers)	High
Jack Creek From source to a point three-fourths mile above mouth	C NSW	29-12-4-(1)	30307	1.1	NR	Cause Unknown	1.1		PPI		Low

Tar Pamlico River Basin

Part 6

The proper technical conditions do not yet exist to develop TMDLs.

Name & Description	Class	Index #	Subbasin	Total Miles (Acres)	Use Rating	Cause of Impairment	miles	acres	Approach	Potential Sources	Priority
Ocean, Estuarine Areas											
Goose Creek (DEH Area)	SA NSW	G1		(300)	PS	Fecal Coliform		300	HOLD		Low
Pamlico River (DEH Area)	SA NSW	G2		(500)	PS	Fecal Coliform		500	HOLD		Low
Swanquarter (DEH Area)	SA ORW	G3		(867)	PS	Fecal Coliform		867	HOLD		High
Wysocking Bay (DEH Area)	SA	G4		(255)	PS	Fecal Coliform		255	HOLD		Low
Long Shoal (DEH Area)	SA	G5		(2054)	PS	Fecal Coliform		2,054	HOLD	Agriculture Onsite Wastewater Systems (Septic Tanks) Marinas	Medium
Ocracoke (DEH Area)	SA	G6		(135)	PS	Fecal Coliform		135	HOLD	Land Development	Low
Lower Pungo River (DEH Area)	SB NSW	G8		(714)	PS	Fecal Coliform		714	HOLD		Low

Tar Pamlico Summary

Total waterbody-pollutant/pollution combination miles:	132.5
Total waterbody-pollutantpollution combination acres:	38,360
Number of waterbody-pollutant/pollution combinations:	27

WHITE OAK River Basin

Part 1

Waters for which TMDLs are required.

Name & Description	Class	Index #	Subbasin	Total Miles (Acres)	Use Rating	Cause of Impairment	miles	acres	Approach	Potential Sources	Priority TMDL Status
Rivers, Streams and Creeks											
Little Northeast Creek From source to Northeast Creek	C NSW	19-16-2	30502	8.3	PS	Chlorophyll-a	8.3		TMDL	Urban Runoff/Storm Sewers	Medium
Note: Dissolved oxygen violation in much of this segment may be due to natural swamp conditions. Prior to TMDL development, we must determine whether the low DO is due to natural conditions.											
Little Northeast Creek From source to Northeast Creek	C NSW	19-16-2	30502	8.3	PS	Low Dissolved Oxygen	8.3		TMDL	Urban Runoff/Storm Sewers	Medium
Note: Dissolved oxygen violation in much of this segment may be due to natural swamp conditions. Prior to TMDL development, we must determine whether the low DO is due to natural conditions.											
Southwest Creek From Mill Run to New River	C HQW NSW	19-17-(6.5)	30502	2.6	PS	Chlorophyll-a	2.6		TMDL	Natural Sources	Medium

WHITE OAK River Basin

Part 1

Waters for which TMDLs are required.

Name & Description	Class	Index #	Subbasin	Total Miles (Acres)	Use Rating	Cause of Impairment	miles	acres	Approach	Potential Sources	Priority TMDL Status
Ocean, Estuarine Areas											
Stones Bay (DEH Area)	SA	C3		(3756)	PS	Chlorophyll-a		3,005	TMDL	Municipal Point Sources Urban Runoff/Storm Sewers Marinas	High
Note: Municipal WWTP discharge removed.											
Atlantic Ocean The waters of the Atlantic Ocean contiguous to that portion of the White Oak River Basin that extends from the northern boundary of White Oak River Basin (southwest side of Drum Inlet) to the southern boundary of White Oak River Basin (northern boundary of Cape Fear River Basin at the southwest side of the mouth of Goose Bay in the Intracoastal Waterway.	SB	99-(4)		(168320)	NR	Fish Advisory-Mercury		168,320	TMDL		Low
Note: Fish Advisory for King Mackerel posted 3-23-2000. North Carolina expects that US EPA will take the lead in developing a regional TMDL.											

WHITE OAK River Basin

Part 6

The proper technical conditions do not yet exist to develop TMDLs.

Name & Description	Class	Index #	Subbasin	Total Miles (Acres)	Use Rating	Cause of Impairment	miles	acres	Approach	Potential Sources	Priority
Ocean, Estuarine Areas											
Chadwick Bay (DEH Area)	SA	C1		(223)	PS	Fecal Coliform		223	HOLD	Urban Runoff/Storm Sewers Onsite Wastewater Systems (Septic Tanks) Marinas	Low
Sneads Ferry (DEH Area)	SA	C2		(189)	PS	Fecal Coliform		189	HOLD	Municipal Point Sources Urban Runoff/Storm Sewers Onsite Wastewater Systems (Septic Tanks) Marinas	Low
Stones Bay (DEH Area)	SA	C3		(3756)	PS	Fecal Coliform		751	HOLD	Municipal Point Sources Urban Runoff/Storm Sewers Marinas	High
Note: Municipal WWTP discharge removed.											
Hurst Beach (DEH Area)	SA	C4		(160)	PS	Fecal Coliform		160	HOLD	Municipal Point Sources Silviculture Urban Runoff/Storm Sewers	Low
Bear Creek (DEH Area)	SA	D1		(70)	PS	Fecal Coliform		70	HOLD	Agriculture Silviculture Marinas Natural Sources	Medium
Note: 319 Project watershed - Initiate stakeholder involvement, watershed assessment, and pilot BMP implementation											
Queen Creek (DEH Area)	SA	D2		(745)	PS	Fecal Coliform		745	HOLD	Municipal Point Sources Agriculture Urban Runoff/Storm Sewers Onsite Wastewater Systems (Septic Tanks)	High

WHITE OAK River Basin

Part 6

The proper technical conditions do not yet exist to develop TMDLs.

Name & Description	Class	Index #	Subbasin	Total Miles (Acres)	Use Rating	Cause of Impairment	miles	acres	Approach	Potential Sources	Priority
White Oak River (DEH Area)	SA	D3		(1417)	PS	Fecal Coliform		1,417	HOLD	Municipal Point Sources Agriculture Urban Runoff/Storm Sewers Onsite Wastewater Systems (Septic Tanks)	Medium
Note: Wetlands Restoration Project in Sturgeon City, Onslow County. Project includes restoration of brackish marsh at old wastewater treatment plant on Wilson Bay. Implementation should increase bank stabilization, reduce runoff, increase nutrient absorption and increase contaminant adsorption from surrounding urban area. 319 Incremental Project to perform stakeholder involvement and watershed assessment of Pettiford Creek, BMP installation in Pettiford Creek watershed and Swansboro.											
Deer Creek (DEH Area)	SA ORW	D4		(222)	PS	Fecal Coliform		222	HOLD	Urban Runoff/Storm Sewers Onsite Wastewater Systems (Septic Tanks) Marinas	Medium
Broad Creek (DEH Area)	SA	E1		(133)	PS	Fecal Coliform		133	HOLD	Urban Runoff/Storm Sewers Onsite Wastewater Systems (Septic Tanks) Marinas	Low
Bogue Sound (DEH Area)	SA ORW	E2		(94)	PS	Fecal Coliform		94	HOLD	Urban Runoff/Storm Sewers Onsite Wastewater Systems (Septic Tanks) Marinas	Medium
Morehead City (DEH Area)	SC	E3		(1284)	PS	Fecal Coliform		1,284	HOLD	Urban Runoff/Storm Sewers Onsite Wastewater Systems (Septic Tanks) Marinas	High
Newport River (DEH Area)	SA	E4		(1863)	PS	Fecal Coliform		1,863	HOLD	Municipal Point Sources Agriculture Silviculture Urban Runoff/Storm Sewers Onsite Wastewater Systems (Septic Tanks)	High
Note: Wetlands Restoration project near Maritime Museum, Beaufort. Project includes replanting of eroding shoreline, use of alternative methods other than bulkheading for shoreline stabilization. Implementation should reduce sediment and nutrient loads into the estuary.											

WHITE OAK River Basin

Part 6

The proper technical conditions do not yet exist to develop TMDLs.

Name & Description	Class	Index #	Subbasin	Total Miles (Acres)	Use Rating	Cause of Impairment	miles	acres	Approach	Potential Sources	Priority
Taylor Creek (DEH Area)	SC	E5		(450)	PS	Fecal Coliform		450	HOLD	Municipal Point Sources Urban Runoff/Storm Sewers Onsite Wastewater Systems (Septic Tanks)	High
North River (DEH Area)	SA	E6		(647)	PS	Fecal Coliform		647	HOLD	Municipal Point Sources Agriculture Silviculture Urban Runoff/Storm Sewers Marinas	Low
Back Sound (DEH Area)	SA ORW	E7		(32)	PS	Fecal Coliform		32	HOLD	Onsite Wastewater Systems (Septic Tanks) Marinas	Medium
Core Sound (DEH Area)	SA ORW	E8		(200)	PS	Fecal Coliform		200	HOLD	Agriculture Silviculture Marinas	Medium
Nelson Bay (DEH Area)	SA	E9		(456)	PS	Fecal Coliform		456	HOLD	Municipal Point Sources Agriculture Onsite Wastewater Systems (Septic Tanks)	Low

WHITE OAK Summary

Total waterbody-pollutant/pollution combination miles:	19.2
Total waterbody-pollutantpollution combination acres:	184,017
Number of waterbody-pollutant/pollution combinations:	22

YADKIN River Basin

Part 1

Waters for which TMDLs are required.

Name & Description	Class	Index #	Subbasin	Total Miles (Acres)	Use Rating	Cause of Impairment	miles / acres	Approach	Potential Sources	Priority TMDL Status
Rivers, Streams and Creeks										
Faulkner Creek From source to Ararat River	C	12-72-6	30703	6.0	NE	Sediment	6.0	TMDL	Agriculture Urban Runoff/Storm Sewers	Low
Note: DWQ originally placed this water on the 303(d) list based on anecdotal information. DWQ does not have data indicating impairment for sediment. DWQ will monitor this water and confirm cause(s) of impairment before developing a restoration plan.										
Salem Creek (Middle Fork Muddy Creek) From Winston-Salem Water Supply Dam (Salem Lake) to Muddy Creek	C	12-94-12-(4)	30704	11.7	PS	Fecal Coliform	11.7	TMDL	Municipal Pretreatment (indirect dischargers) Agriculture Urban Runoff/Storm Sewers	Low
Grants Creek From source to Yadkin River	C	12-110	30704	17.9	PS	Fecal Coliform	17.9	TMDL	Municipal Point Sources Agriculture Construction Urban Runoff/Storm Sewers	Low
Fourth Creek From SR 2308 Iredell Co 1.5 mile upstream	C	12-108-20-(1)b	30706	9.5	PS	Fecal Coliform	9.5	TMDL	Agriculture	Low
Rich Fork From source to Abbotts Creek	C	12-119-7	30707	20.7	PS	Fecal Coliform	20.7	TMDL	Municipal Pretreatment (indirect dischargers) Agriculture Silviculture Construction Urban Runoff/Storm Sewers	Low
Hamby Creek From source to Rich Fork	C	12-119-7-4	30707	12.5	NS	Fecal Coliform	12.5	TMDL	Municipal Pretreatment (indirect dischargers) Agriculture Urban Runoff/Storm Sewers	Low
Pee Dee River From Turkey Top Creek to a point 0.8 mile downstream of mouth Savannah Creek	WS-IV&B	13-(23.5)	30708	5.7	PS	pH	5.7	TMDL	Agriculture	High

YADKIN River Basin

Part 1

Waters for which TMDLs are required.

Name & Description	Class	Index #	Subbasin	Total Miles (Acres)	Use Rating	Cause of Impairment	miles	acres	Approach	Potential Sources	Priority TMDL Status
Brown Creek From NC 74 to Pee Dee	C	13-20b	30710	22.0	PS	pH	22.0		TMDL	Agriculture	Low
Note: This stream is a swamp-like system in much of this segment and is subject to dry periods during the summer. Prior to TMDL development, we must determine whether dissolved oxygen and pH violations are due primarily to natural conditions.											
Brown Creek From NC 74 to Pee Dee	C	13-20b	30710	22.0	PS	Low Dissolved Oxygen	22.0		TMDL	Agriculture	Low
Note: This stream is a swamp-like system in much of this segment and is subject to dry periods during the summer. Prior to TMDL development, we must determine whether dissolved oxygen and pH violations are due primarily to natural conditions.											
Rocky River From source to SR 2420, Mecklenburg	C	13-17a	30711	9.2	NS	Fecal Coliform	9.2		TMDL	Agriculture Urban Runoff/Storm Sewers	Low
Mckee Creek From source to Reedy Creek	C	13-17-8-4	30711	6.5	NE	Fecal Coliform	6.5		TMDL	Minor Non-municipal Agriculture Land Development Urban Runoff/Storm Sewers	Low
Note: DWQ originally placed this water on the 303(d) list for sediment based on anecdotal information. DWQ does not have data indicating impairment for sediment. DWQ will monitor this water and confirm cause(s) of impairment before developing a restoration plan for sediment.											
Mckee Creek From source to Reedy Creek	C	13-17-8-4	30711	6.5	NE	Sediment	6.5		TMDL	Minor Non-municipal Agriculture Land Development Urban Runoff/Storm Sewers	Low
Note: DWQ originally placed this water on the 303(d) list for sediment based on anecdotal information. DWQ does not have data indicating impairment for sediment. DWQ will monitor this water and confirm cause(s) of impairment before developing a restoration plan for sediment.											
Clear Creek From source to McKee Creek	C	13-17-8-4-1	30711	1.6	NE	Fecal Coliform	1.6		TMDL	Agriculture Land Development Urban Runoff/Storm Sewers	Low
Goose Creek From source to Rocky River	C	13-17-18	30712	17.0	NS	Fecal Coliform	17.0		TMDL	Construction Urban Runoff/Storm Sewers	High
Hitchcock Creek (Midway Pond-steeles Mill Pond) From below Fox Yarns, Richmond Co to	C	13-39-(10)b	30716	6.1	NS	Fecal Coliform	6.1		TMDL	Agriculture Construction Urban Runoff/Storm Sewers	Low

YADKIN River Basin

Part 1

Waters for which TMDLs are required.

Name & Description	Class	Index #	Subbasin	Total Miles (Acres)	Use Rating	Cause of Impairment	miles	acres	Approach	Potential Sources	Priority TMDL Status
Hitchcock Creek (Midway Pond-steeles Mill Pond)	C	13-39-(10)b	30716	6.1	NS	pH	6.1		TMDL	Agriculture Construction Urban Runoff/Storm Sewers	Low
From below Fox Yarns, Richmond Co to											

YADKIN River Basin

Part 1

Waters for which TMDLs are required.

Name & Description	Class	Index #	Subbasin	Total Miles (Acres)	Use Rating	Cause of Impairment	miles	acres	Approach	Potential Sources	Priority TMDL Status
Lakes											
Ledbetter Lake Richmond County	WS-III	13-LEDBETTER LAKE_RICHMOND	30716	(100)	NE	Fish Advisory-Mercury		100	TMDL		High
Rockingham City Lake Richmond County	WS-III CA	13-ROCKINGHAM CITY LAKE_RICHMOND	30716	(27)	PS	Aquatic Weeds		27	TMDL		High
Note: Aquatic Weeds should have been listed under "problem parameters" on the 1998 list. The omission has been corrected. The absence of a problem parameter on the 1998 list should not be interpreted to mean that the water was/is biologically impaired.											

YADKIN River Basin

Part 2

Waters affected by pollution. TMDLs are not appropriate.

Name & Description	Class	Index #	Subbasin	Total Miles (Acres)	Use Rating	Cause of Impairment	miles	acres	Approach	Potential Sources	Priority
Rivers, Streams and Creeks											
Pee Dee River (including Blewett Falls Lake below normal operating levels)	WS-V&B	13-(15.5)	30710	15.2	PS	Low Dissolved Oxygen	15.2		MS	Agriculture	
From Norwood Dam to mouth of Turkey Top Creek											
Note: Low dissolved oxygen levels in this portion of the Pee Dee River appear to be related to hypolimnetic discharges from CP&L's hydroelectric facility on Lake Tilllery. In coordination with the NC Division of Water Resources, DWQ will explore mitigative actions to be taken to correct this problem when the facility comes up for FERC relicensing in 2008.											

YADKIN River Basin

Part 2

Waters affected by pollution. TMDLs are not appropriate.

Name & Description	Class	Index #	Subbasin	Total Miles (Acres)	Use Rating	Cause of Impairment	miles	acres	Approach	Potential Sources	Priority
Lakes											
Long Lake (Albermarle City Lake) Stanly County	C	13-LONG LAKE_STANLY	30713	(74)	NS	Drained		74	MS		
Hamlet City Lake Richmond County	C	13-HAMLET CITY LAKE_RICHMOND	30716	(100)	PS	Drained		100	MS		

YADKIN River Basin

Part 4

Regulatory controls other than TMDLs expected to result in meeting standards by next listing.

Name & Description	Class	Index #	Subbasin	Total Miles (Acres)	Use Rating	Cause of Impairment	miles	acres	Approach	Potential Sources	Priority
Rivers, Streams and Creeks											
Salem Creek (Middle Fork Muddy Creek) From Winston-Salem Water Supply Dam (Salem Lake) to Muddy Creek	C	12-94-12-(4)	30704	11.7	PS	Turbidity	11.7		OTHER	Municipal Pretreatment (indirect dischargers) Agriculture Urban Runoff/Storm Sewers	Low
Grants Creek From source to Yadkin River	C	12-110	30704	17.9	PS	Turbidity	17.9		OTHER	Municipal Point Sources Agriculture Construction Urban Runoff/Storm Sewers	Low
Fourth Creek From SR 2308 Iredell Co 1.5 mile upstream	C	12-108-20-(1)b	30706	9.5	PS	Turbidity	9.5		OTHER	Agriculture	Low
Rocky River From source to SR 2420, Mecklenburg	C	13-17a	30711	9.2	NS	Turbidity	9.2		OTHER	Agriculture Urban Runoff/Storm Sewers	Low

YADKIN River Basin

Part 5

Biologically impaired waters. Pollution/pollutant monitoring will place waters on Part 1 or Part 2.

Name & Description	Class	Index #	Subbasin	Total Miles (Acres)	Use Rating	Cause of Impairment	miles	acres	Approach	Potential Sources	Priority
Rivers, Streams and Creeks											
Ut Lick Creek NC 47, Davidson City		UT_LICK_CR_47			NS	Cause Unknown			PPI	Urban Runoff/Storm Sewers	Low
Ut Mulberry Creek Ab WWTP to Mulberry Ck	C	12-42-10b	30701	0.5	NS	Cause Unknown	0.5		PPI		Low
Endicott Creek (Branch) From dam at Raven Knob Lake to Fisher River	WS-II Tr	12-63-5-(3)	30702	0.5	PS	Cause Unknown	0.5		PPI	Agriculture	High
Little Beaver Creek From NC 288 to Fisher River	C	12-63-13b	30702	1.4	NS	Cause Unknown	1.4		PPI	Spills	Low
Ararat River From Mount Airy WWTP to SR 2026, at A	C	12-72-(4.5)b	30703	10.3	PS	Historical listing for 'sediment' based on biological impairment	10.3		PPI	Municipal Pretreatment (indirect dischargers) Agriculture Urban Runoff/Storm Sewers	Low
Lovills Creek (Lovell Creek) From Town of Mount Airy Water Supply Dam to Ararat River	C	12-72-8-(3)	30703	4.2	PS	Cause Unknown	4.2		PPI	Urban Runoff/Storm Sewers	Low
Heatherly Creek From source to WWTP	C	12-72-14-5a	30703	1.7	PS	Cause Unknown	1.7		PPI	Agriculture	Low
Heatherly Creek WWTP to Toms Creek	C	12-72-14-5b	30703	1.7	NS	Cause Unknown	1.7		PPI	Municipal Pretreatment (indirect dischargers) Urban Runoff/Storm Sewers	Low
Reynolds Creek From Sequoia WWTP, Forsyth to Muddy	C	12-94-9b	30704	1.7	PS	Cause Unknown	1.7		PPI	Agriculture Urban Runoff/Storm Sewers	Low
Salem Creek (Middle Fork Muddy Creek) From Winston-Salem Water Supply Dam (Salem Lake) to Muddy Creek	C	12-94-12-(4)	30704	11.7	PS	Historical listing for 'sediment' based on biological impairment	11.7		PPI	Municipal Pretreatment (indirect dischargers) Agriculture Urban Runoff/Storm Sewers	Low

YADKIN River Basin

Part 5

Biologically impaired waters. Pollution/pollutant monitoring will place waters on Part 1 or Part 2.

Name & Description	Class	Index #	Subbasin	Total Miles (Acres)	Use Rating	Cause of Impairment	miles	acres	Approach	Potential Sources	Priority
Grants Creek From source to Yadkin River	C	12-110	30704	17.9	PS	Historical listing for 'sediment' based on biological impairment	17.9		PPI	Municipal Point Sources Agriculture Construction Urban Runoff/Storm Sewers	Low
Ut Grants Creek From source to Grants Creek		12-110UT1	30704		NS	Cause Unknown			PPI		Low
Town Creek From SR 1526 to Crane Cr	C	12-115-3b	30704	8.1	NS	Historical listing for 'sediment' based on biological impairment	8.1		PPI	Agriculture Construction Urban Runoff/Storm Sewers	Low
Ut Second Creek AB WWTP to Second Creek		12-117UT2	30704		NS	Cause Unknown			PPI		Low
Fourth Creek From SR 2308 Iredell Co 1.5 mile upstream	C	12-108-20-(1)b	30706	9.5	PS	Historical listing for 'sediment' based on biological impairment	9.5		PPI	Agriculture	Low
Fourth Creek From 1.5 mile upstream of Rowan County	C	12-108-20-(3.5)	30706	7.7	PS	Historical listing for 'sediment' based on biological impairment	7.7		PPI	Agriculture	Low
Brushy Fork From source to Buck Branch	WS-III	12-119-5-(1)	30707	9.3	PS	Historical listing for 'sediment' based on biological impairment	9.3		PPI	Agriculture	High
Brushy Fork From Buck Branch to Tom-A-Lex Lake, Abbotts Creek	WS-III CA	12-119-5-(7)	30707	0.5	PS	Historical listing for 'sediment' based on biological impairment	0.5		PPI	Agriculture	High
Hunts Fork From source to Rich Fork	C	12-119-7-3	30707	7.5	PS	Cause Unknown	7.5		PPI	Construction Urban Runoff/Storm Sewers	Low
Hamby Creek From source to Rich Fork	C	12-119-7-4	30707	12.5	NS	Historical listing for 'sediment' based on biological impairment	12.5		PPI	Municipal Pretreatment (indirect dischargers) Agriculture Urban Runoff/Storm Sewers	Low

YADKIN River Basin

Part 5

Biologically impaired waters. Pollution/pollutant monitoring will place waters on Part 1 or Part 2.

Name & Description	Class	Index #	Subbasin	Total Miles (Acres)	Use Rating	Cause of Impairment	miles	acres	Approach	Potential Sources	Priority
North Hamby Creek From source to Hamby Creek	C	12-119-7-4-1	30707	6.1	NS	Cause Unknown	6.1		PPI	Urban Runoff/Storm Sewers	Low
Lick Creek From source to East Branch Lick Creek Yadkin River	C	12-126-(0.5)	30708	7.2	PS	Cause Unknown	7.2		PPI	Agriculture	Low
Lick Creek From East Branch Lick Creek to a point 1.0 mile upstream of Davidson County SR 2501	WS-IV	12-126-(3)	30708	7.4	PS	Cause Unknown	7.4		PPI	Municipal Point Sources Agriculture Urban Runoff/Storm Sewers	High
Little Mountain Creek From source to a point 0.5 mile upstream of Stanly County SR 1545	C	13-5-1-(1)	30708	2.0	PS	Cause Unknown	2.0		PPI	Agriculture	Low
Little Mountain Creek From a point 0.5 mile upstream of Stanly County SR 1545 to Mountain Cr.	WS-IV	13-5-1-(2)	30708	5.0	PS	Cause Unknown	5.0		PPI	Agriculture	High
Brown Creek From NC 74 to Pee Dee	C	13-20b	30710	22.0	PS	Historical listing for 'sediment' based on biological impairment	22.0		PPI	Agriculture	Low
Note: This stream is a swamp-like system in much of this segment and is subject to dry periods during the summer. Prior to TMDL development, we must determine whether dissolved oxygen and pH violations are due primarily to natural conditions.											
Rocky River From source to SR 2420, Mecklenburg	C	13-17a	30711	9.2	NS	Historical listing for 'sediment' based on biological impairment	9.2		PPI	Agriculture Urban Runoff/Storm Sewers	Low
Dye Creek (Branch) From source to SR-1147, Iredell County	C	13-17-2a	30711	3.3	PS	Historical listing for 'sediment' based on biological impairment	3.3		PPI	Agriculture Urban Runoff/Storm Sewers	Low
Dye Creek (Branch) From SR-1147 Irelell County to Pee Dee	C	13-17-2b	30711	1.8	NS	Historical listing for 'sediment' based on biological impairment	1.8		PPI	Municipal Pretreatment (indirect dischargers) Agriculture Urban Runoff/Storm Sewers	Low

YADKIN River Basin

Part 5

Biologically impaired waters. Pollution/pollutant monitoring will place waters on Part 1 or Part 2.

Name & Description	Class	Index #	Subbasin	Total Miles (Acres)	Use Rating	Cause of Impairment	miles	acres	Approach	Potential Sources	Priority
Clarke Creek From source to Rocky River	C	13-17-4	30711	5.4	NE	Cause Unknown	5.4		PPI	Off-farm Animal Holding/Management Area	Low
Coddle Creek From a point 0.2 mile upstream of N.C. Hwy. 73 to Rocky River	C	13-17-6-(5.5)	30711	13.7	PS	Historical listing for 'sediment' based on biological impairment	13.7		PPI	Urban Runoff/Storm Sewers	Low
Clear Creek From source to McKee Creek	C	13-17-8-4-1	30711	1.6	NE	Historical listing for 'sediment' based on biological impairment	1.6		PPI	Agriculture Land Development Urban Runoff/Storm Sewers	Low
Goose Creek From source to Rocky River	C	13-17-18	30712	17.0	NS	Historical listing for 'sediment' based on biological impairment	17.0		PPI	Construction Urban Runoff/Storm Sewers	High
Crooked Creek From source to Rocky River	C	13-17-20	30712	13.1	PS	Cause Unknown	13.1		PPI	Urban Runoff/Storm Sewers	Low
North Fork Crooked Creek from SR 1004 Union Co to Crooked Creek	C	13-17-20-1c	30712	1.7	PS	Cause Unknown	1.7		PPI	Urban Runoff/Storm Sewers	Low
North Fork Crooked Creek from source to SR 1514, Union Crooked	C	13-17-20-1a	30712	7.5	PS	Cause Unknown	7.5		PPI	Urban Runoff/Storm Sewers	Low
South Fork Crooked Creek From SR 1414 Union Co Crooked Creek	C	13-17-20-2b	30712	8.7	PS	Cause Unknown	8.7		PPI	Agriculture Construction Urban Runoff/Storm Sewers	Low
South Fork Crooked Creek from source to SR 1515 Union Co	C	13-17-20-2a	30712	5.0	NS	Cause Unknown	5.0		PPI	Agriculture Construction Urban Runoff/Storm Sewers	Low
Little Long Creek From source to Long Creek	C	13-17-31-4	30713	6.7	NE	Cause Unknown	6.7		PPI	Urban Runoff/Storm Sewers	Low

YADKIN River Basin

Part 5

Biologically impaired waters. Pollution/pollutant monitoring will place waters on Part 1 or Part 2.

Name & Description	Class	Index #	Subbasin	Total Miles (Acres)	Use Rating	Cause of Impairment	miles	acres	Approach	Potential Sources	Priority
Richardson Creek From Monroe Water Supply dam to SR1	C	13-17-36-(5)a	30714	6.9	NS	Historical listing for 'sediment' based on biological impairment	6.9		PPI	Municipal Pretreatment (indirect dischargers) Agriculture	Medium
Richardson Creek From sr 1006 to SR 1649	C	13-17-36-(5)b	30714	5.6	PS	Historical listing for 'sediment' based on biological impairment	5.6		PPI	Municipal Pretreatment (indirect dischargers) Agriculture	Low
Lanes Creek From SR 1929 Union Co to Marchville W	WS-V	13-17-40-(1)b	30714	9.9	NS	Historical listing for 'sediment' based on biological impairment	9.9		PPI	Agriculture	High
Waxhaw Branch From source to Lanes Creek	WS-V	13-17-40-6	30714	5.7	PS	Cause Unknown	5.7		PPI	Agriculture	High
Note: This stream may not be impaired. This water needs to be evaluated with new biological information. DWQ believes that this stream is too small to rate under current biological assessment methodology. This listing will be corrected if information indicates good cause.											
Lanes Creek From Marshville Water Supply Dam (located 0.1 mile downstream of Beaverdam Creek) to Rocky River	C	13-17-40-(12)	30714	26.9	PS	Cause Unknown	26.9		PPI	Agriculture	Low
Cartledge Creek From source to Pee Dee River	C	13-35	30716	10.5	PS	Cause Unknown	10.5		PPI	Agriculture	Low
Hitchcock Creek (Midway Pond-steeles Mill Pond) From dam at Roberdel Lake (rockingham	C	13-39-(10)a	30716	3.9	PS	Cause Unknown	3.9		PPI	Agriculture Construction Urban Runoff/Storm Sewers	Low
Hitchcock Creek (Midway Pond-steeles Mill Pond) From below Fox Yarns, Richmond Co to	C	13-39-(10)b	30716	6.1	NS	Historical listing for 'sediment' based on biological impairment	6.1		PPI	Agriculture Construction Urban Runoff/Storm Sewers	Low
Marks Creek (Everetts Lake) From NC 177 Richmond Co to NC-SC	C	13-45-(2)b	30716	13.3	PS	Historical listing for 'sediment' based on biological impairment	13.3		PPI	Urban Runoff/Storm Sewers	Low

YADKIN River Basin

Part 5

Biologically impaired waters. Pollution/pollutant monitoring will place waters on Part 1 or Part 2.

Name & Description	Class	Index #	Subbasin	Total Miles (Acres)	Use Rating	Cause of Impairment	miles	acres	Approach	Potential Sources	Priority
North Fork Jones Creek From Wadesboro Water Supply Intake to Jones Creek	C	13-42-1-(0.5)	30717	8.4	PS	Historical listing for 'sediment' based on biological impairment	8.4		PPI	Agriculture	Low
South Fork Jones Creek From Anson SR 1821 to Jones Creek	C	13-42-2b	30717	0.8	PS	Historical listing for 'sediment' based on biological impairment	0.8		PPI	Agriculture	Low

YADKIN Summary

Total waterbody-pollutant/pollution combination miles:	593.6
Total waterbody-pollutantpollution combination acres:	301
Number of waterbody-pollutant/pollution combinations:	75

Source Key

100	Industrial Point Sources
110	Major Industrial Point Source
120	Minor Industrial Point Source
200	Municipal Point Sources
210	Major Municipal Point Source
220	Minor Municipal Point Source
225	Municipal Pretreatment (indirect dischargers)
230	Package Plants (Small Flows)
500	Collection System Failure
1000	Agriculture
1100	Nonirrigated Crop Production
1300	Specialty Crop Production
1400	Pasture grazing - Riparian and/or Upland
1700	Aquaculture
3200	Land Development
4000	Urban Runoff/Storm Sewers
4040	Non-urban development
4045	Rural runoff
4200	Industrial Permitted
5000	Resource Extraction
5100	Surface Mining
5900	Abandoned mining
6000	Land Disposal
6500	Onsite Wastewater Systems (Septic Tanks)
7100	Channelization
7200	Dredging
7550	Habitat Modification (other than Hydromodification)
7700	Bank or Shoreline Modification/Destabilization
7900	Marinas
8100	Atmospheric Deposition
8600	Natural Sources
8650	Waterfowl
9000	Source Unknown

Approach Key

TMDL	Total Maximum Daily Load. Proper technical conditions exist to develop a TMDL for this waterbody/pollutant. Usual approach for nutrients, low dissolved oxygen, fecal coliform and metals.
MS	Management Strategy. A management strategy will be developed for this waterbody and pollution combination. Usual approach for habitat degradation (sediment, hydromodification, channelization, etc.).
PPI	Problem Parameter Identification. Biologically impaired waters will be monitored to determine cause of impairment (pollutant/pollution).
HOLD	The proper technical conditions do not yet exist to develop a TMDL. Usual approach for fecal coliform impaired estuarine areas and impaired lakes that have been drained.