

## TECHNICAL MEMORANDUM

CH2MHILL

## Review and Summary of Existing Plans

PREPARED FOR: Georgia Environmental Protection Division  
PREPARED BY: CH2M HILL  
COPIES: Kevin Farrell/GA EPD  
Ted Hendrix/GA EPD  
DATE: February 25, 2011

### Introduction

This memorandum describes the process for collecting and consolidating existing plans and other documents to identify management practices for consideration by the Upper Oconee Water Planning Council (WPC). These existing plans formed the basis for development of potential management practices to address future water resource management needs in the Upper Oconee Water Planning Region. The goal of this process was to ensure that existing plans and programs were evaluated and to select management practices that would be consistent with existing programs, where appropriate. Management practices identified through this process were reviewed by the WPC and those desirable for implementation were selected and endorsed by the WPC on March 24, 2010. A list of these practices is included in Table 6-1 of the Regional Water Plan.

### Process for Collecting Existing Plans and Documents

A process was developed and followed to ensure that representatives from all local governments and public utilities within the Upper Oconee Council planning region have the opportunity to provide information and participate in the planning process.

An initial search was performed to locate readily available information from the Georgia Environmental Protection Division (GAEPD), including existing permits and permit applications, and on the Internet. Information obtained through this search includes existing Total Maximum Daily Loads (TMDLs), TMDL Implementation Plans, and plans prepared by planning councils, water management districts, and academic institutions. A number of stakeholders, who may have interest in the planning process, were identified through the initial search. In addition to those identified through this search, preliminary contact information was obtained for each permitted water and/or wastewater utility and for each incorporated governmental entity within the planning region.

### Requests for Information

Using the list of water withdrawal and National Pollutant Discharge Elimination System (NPDES) permits from GAEPD, attempts were made to contact representatives at permitted entities via telephone and email. Permittees were asked to provide existing planning documents

and information regarding planned capital improvement projects and anticipated water needs that are not yet included in planning documents.

Additionally, an email or letter was sent to each WPC member asking for input on contacts at local governments and industries that use and discharge water or that have plans detailing future capital improvements and/or that contain current and planned management practices. The letter also requested that they verify the contact information for the area they represent and add additional contacts to ensure that efforts were made to collect all available plans and information. Based in the information obtained through the initial search and provided by WPC members, a list of 79 contacts was developed.

Requests for information (RFIs) were mailed and/or emailed to each identified contact, and an ftp site was developed to aid respondents in providing information for use in the planning process. For RFIs returned due to incorrect addresses, new contacts were located and RFIs were resent via mail or email. Telephone calls were made to permittees and contacts on the list who were identified as being significant water users or having known capital improvement or management plans who did not respond to the initial RFI. See Appendix A for a copy of the RFI.

As a result of these efforts, 41 plans and 38 TMDLs or TMDL implementation plans were identified, collected, and examined. Appendix B lists the plans reviewed. A list of the TMDLs and TMDL implementation plans reviewed is included as Appendix C. The review of these documents resulted in the selection and endorsement of a total of 38 management practices for inclusion in the Regional Water Plan.

# Appendix A- Request for Information

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## APPENDIX A

# Georgia Department of Natural Resources

Environmental Protection Division, Watershed Protection Branch

4220 International Parkway, Suite 101, Atlanta, Georgia 30354

Linda MacGregor, P. E., Branch Chief 404/675-6232

FAX: 404/675-6247

To: Upper Oconee Water Planning Council Communities  
From: Richard Bentley, Upper Oconee Water Planning Council  
Kevin Farrell, Assistant Branch Chief, GA EPD  
Subject: Request for Information for Regional Water Planning  
Date: September 2, 2010

The Upper Oconee Water Planning Council is in the process of selecting management practices for our region. To assist us in this effort we are requesting that local communities provide our planning consultants with copies of relevant water planning and water management documentation that should be considered by the council as we select recommended management practices.

The following types of information are needed:

1. Water supply and disposal plans that identify/evaluate potential expansions or new locations and capacities for supplies or disposal,
2. Water and sewer capital improvement plans or other plans detailing infrastructure improvements or upgrades that are yet to be permitted or constructed,
3. Watershed protection plans,
4. Source water protection plans,
5. Stormwater management plans,
6. Water conservation plans, and
7. Any plan or document detailing ongoing or planned practices for managing water and wastewater within your area.

This list is not exhaustive and it would be beneficial for us if you provide any other planning documents that may be useful to our council as we select management practices. The inclusion of this information will help to ensure that your community's interests are represented and that your future plans are considered. Information obtained through this request will be used for planning purposes only.

CH2M HILL, the Planning Contractor for our region, has been coordinating our efforts to collect the needed information and further instructions on the collection of this information are listed below. If information for your community already has not been provided, your prompt response to this request is needed to keep planning efforts on pace and will be greatly appreciated.

For questions related to the data request, please contact, Doug Baughman (doug.baughman@ch2m.com, 678-530-4031) or Sabra Sutton (sabra.sutton@ch2m.com, 334-328-6842).

### **Instructions for Forwarding Information Requested:**

Listed below are a variety of means of sending the information. This list is in priority order to provide easy (and timely) transmittal.

- 1) E-mail to Sabra Sutton, [sabra.sutton@ch2m.com](mailto:sabra.sutton@ch2m.com)

- 2) Upload to online FTP site:

Enter the FTP site address into your web browser, then enter the username and password. Depending on your version of Internet Explorer, you may have to click "Page", and then click "Open FTP Site in Windows Explorer", to use drag-and-drop functionality. Please notify Sabra Sutton if you use this method to upload data.

<ftp://ftp.ch2m.com/UpperOconee/>

Username = WaterPlan

Password = UpOconee

- 3) FAX to Sabra Sutton at: (334) 273-7568

- 4) Regular Mail to the following address:

Doug Baughman  
CH2M HILL  
Northpark 400  
1000 Abernathy Rd., Suite 1600  
Atlanta, GA 30328

# Appendix B- Plans Collected and Reviewed

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## APPENDIX B

### PLANS COLLECTED AND REVIEWED

Plans Collected and Considered When Selecting Water Management Practices				
Plan Type or Specific Title	Regional Resource(s) Impacted (Watershed/Aquifer)	Organization or Entity Associated With Plan	Date of Plan	Description of Relevant Plan Content (I.e. Practices currently planned for and/or in use in the Region to form the basis for the Council's selected water management practices)
Oconee River Basin Management Plan	Basinwide	Georgia Department of Natural Resources, Environmental Protection Division	1998	Characterizes the Oconee River Basin, describes anticipated water resource needs and provides implementation strategies for water protection.
Georgia's Water Conservation Implementation Plan	Statewide	Georgia Department of Natural Resources, Environmental Protection Division	2010	Details potential ways to conserve for a diverse group of water users.
Barrow County Future Water Supply Infrastructure Report	Upper Oconee Subcommittee Area  (North Oconee River, Middle Oconee River, Mulberry River, Apalachee River, Alcovy River)	Barrow County	2009	Evaluates potential water supply shortfalls and identifies potential resources to meet shortfalls.
2007-2017 Barrow County Comprehensive Plan	Upper Oconee Subcommittee Area  (North Oconee River, Middle Oconee River, Mulberry River, Apalachee River, Alcovy River)	Barrow County	2009	Comprehensive plan detailing future land use and sites for potential new reservoirs to meet water demands.

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Watershed Protection Plan For Jackson County, Georgia	Upper Oconee Subcommittee Area  (North Oconee River, Middle Oconee River, Mulberry River, Apalachee River, Alcovy River)	Jackson County Water and Sewerage Authority and the Cities of Hoschton, Jefferson, and Maysville	2007	Water resource protection plan detailing practices to monitor surface water supplies and prevent drinking source water contamination.
List of Proposed Surface Water Withdrawals	Basinwide	Georgia Department of Natural Resources, Environmental Protection Division	2010	List of existing permits and applications for proposed surface water withdrawals.
Jackson County Service Area Map	Upper Oconee Subcommittee Area  (North Oconee River, Middle Oconee River, Mulberry River, Apalachee River, Alcovy River)	Jackson County Water and Sewerage Authority	2010	Map detailing existing and planned service areas for JCWSA.
Jackson County Water Conservation Plan	Upper Oconee Subcommittee Area  (North Oconee River, Middle Oconee River, Mulberry River, Apalachee River, Alcovy River)	Jackson County Water and Sewerage Authority	2007	Plan detailing practices for leak detection, inspection and reporting requirements, water system mapping, and other system testing and maintenance practices.



Plans Collected and Considered When Selecting Water Management Practices				
Plan Type or Specific Title	Regional Resource(s) Impacted (Watershed/Aquifer)	Organization or Entity Associated With Plan	Date of Plan	Description of Relevant Plan Content (I.e. Practices currently planned for and/or in use in the Region to form the basis for the Council's selected water management practices)
Jackson County Water Conservation Program Plan 2008-2012	Upper Oconee Subcommittee Area  (North Oconee River, Middle Oconee River, Mulberry River, Apalachee River, Alcovy River)	Jackson County Water and Sewerage Authority	2008	Plan detailing practices for leak detection, inspection and reporting requirements, water system mapping, and other system testing and maintenance practices. Includes a long-range water supply plan and rate setting policies.
Engineering Report on Expansion and Improvement of the Water and Sewer Facilities for the Town of Braselton	Upper Oconee Subcommittee Area  (North Oconee River, Middle Oconee River, Mulberry River, Apalachee River, Alcovy River)	Town of Braselton (Mulberry River)	2009	Overview of current system and operations with a map of planned water and sewer improvements.
Watershed Protection Plan for Jackson County, Georgia	Upper Oconee Subcommittee Area  (North Oconee River, Middle Oconee River, Mulberry River, Apalachee River, Alcovy River)	Jackson County Water and Sewerage Authority	2007	Provides monitoring plan to track compliance and implementation of unified codes, environmental BMPs, and regulations and enforcement of regulations.
Town of Braselton Stormwater Management Plan	Upper Oconee Subcommittee Area  (North Oconee River, Middle Oconee River, Mulberry River, Apalachee River, Alcovy River)	Town of Braselton	2008	Detailed plan for managing stormwater flows including provisions for local authority, comprehensive land use planning, structural and nonstructural stormwater controls, and provisions for operations and maintenance of controls.

Plans Collected and Considered When Selecting Water Management Practices				
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Town of Braselton Water Conservation Plan	Upper Oconee Subcommittee Area  (North Oconee River, Middle Oconee River, Mulberry River, Apalachee River, Alcovy River)	Town of Braselton	2008	Plan to manage water system to minimize usage including a leak detection program, a drought contingency plan, water conservation measures, and recommendations for public education.
Town of Braselton Preliminary Engineering Report for Water Supply Improvements	Upper Oconee Subcommittee Area  (North Oconee River, Middle Oconee River, Mulberry River, Apalachee River, Alcovy River)	Town of Braselton	2008	Preliminary report detailing distribution area, conservation measures, and potential well development plans.
Town of Braselton, Preliminary Engineering Report for Water Supply Improvements	Upper Oconee Subcommittee Area  (North Oconee River, Middle Oconee River, Mulberry River, Apalachee River, Alcovy River)	Town of Braselton	2008	Report detailing existing supply, projected needs, long-term modeling and analysis results, and plans for improving water supply storage and transmission.
Mulberry River Watershed Protection Plan	Upper Oconee Subcommittee Area  (North Oconee River, Middle Oconee River, Mulberry River, Apalachee River, Alcovy River)	Town of Braselton	2007	Plan detailing management practices (both structural and non-structural) to minimize pollutant loads (particularly sediment and fecal coliform) to the Mulberry River and measures to monitor implementation progress.

Plans Collected and Considered When Selecting Water Management Practices				
Plan Type or Specific Title	Regional Resource(s) Impacted (Watershed/Aquifer)	Organization or Entity Associated With Plan	Date of Plan	Description of Relevant Plan Content (I.e. Practices currently planned for and/or in use in the Region to form the basis for the Council's selected water management practices)
Engineering Report on Expansion and Improvements to the Water and Sewerage Facilities for the Town of Braselton Georgia	Upper Oconee Subcommittee Area  (North Oconee River, Middle Oconee River, Mulberry River, Apalachee River, Alcovy River)	Town of Braselton	2009	Plan detailing 10 public utility water and sewer improvement projects and a capital financing plan for those projects.
Apalachee Point Wellhead Protection Program	Upper Oconee Subcommittee Area  (North Oconee River, Middle Oconee River, Mulberry River, Apalachee River, Alcovy River)	Oconee County Utility Department	1998	General recommendations for protecting groundwater sources from pollution and recommendations for tanker trucks as an alternative in the event of contamination.
Oconee Crossing Wellhead Protection Program	Upper Oconee Subcommittee Area  (North Oconee River, Middle Oconee River, Mulberry River, Apalachee River, Alcovy River)	Oconee County Utility Department	1996	General recommendations for protecting groundwater source from pollution.
Oconee County 7-Year Sewer CIP Map	Upper Oconee Subcommittee Area  (North Oconee River, Middle Oconee River, Mulberry River, Apalachee River, Alcovy River)	Oconee County Utility Department	2008	Details locations and preliminary schedule for planned system upgrades including to a 10 mgd membrane plant with reuse, up to a 15 mgd upgrade to the Calls Creek WWTP and plans for the Middle Branch Water Reclamation Facility Planning.

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Oconee County Sewer Use Ordinance	Upper Oconee Subcommittee Area  (North Oconee River, Middle Oconee River, Mulberry River, Apalachee River, Alcovy River)	Oconee County Utility Department	1990	Ordinance prohibiting illicit discharges, specifies pretreatment measures, and requires permitting of private systems.
Oconee County 10-Year Water CIP	Upper Oconee Subcommittee Area  (North Oconee River, Middle Oconee River, Mulberry River, Apalachee River, Alcovy River)	Oconee County Utility Department	2009	Details plans for 3 mgd of additional storage and conveyance line expansion.
Draft Oconee County Drought Contingency Plan	Upper Oconee Subcommittee Area  (North Oconee River, Middle Oconee River, Mulberry River, Apalachee River, Alcovy River)	Oconee County Utility Department	2010	Defines use priorities for service during drought. Contains an outdoor water ordinance and schedule for varying levels of drought and provisions for escalating penalties. Specified measures for low flow protection and monitoring.
Draft Oconee County Water Conservation Plan	Upper Oconee Subcommittee Area  (North Oconee River, Middle Oconee River, Mulberry River, Apalachee River, Alcovy River)	Oconee County Utility Department	2010	Conservation plan with an inclining rate policy, specifications for land application (reuse) to grow hay, and measures to minimize unaccounted for water (leak detection, improved metering, etc.)  Recommends water reclamation facility upgrades and recycling of wastewater.

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Oconee County Ordinance Amending Water and Wastewater Standards - Reuse Ordinance	Upper Oconee Subcommittee Area  (North Oconee River, Middle Oconee River, Mulberry River, Apalachee River, Alcovy River)	Oconee County Utility Department	2005	Includes provision for reuse of non-potable, treated effluent. Describes reuse system requirements (purple pipe, measures to ensure separate system, etc.) and explains site requirements and application specifications.
Oconee County Ordinance Amending Water and Wastewater Standards - Sewer Ordinance	Upper Oconee Subcommittee Area  (North Oconee River, Middle Oconee River, Mulberry River, Apalachee River, Alcovy River)	Oconee County Utility Department	2005	Regulates reuse water additions and improvements
Watkinsville Wellhead Protection Plan	Upper Oconee Subcommittee Area  (North Oconee River, Middle Oconee River, Mulberry River, Apalachee River, Alcovy River)	Oconee County Utility Department	1996	General recommendations for protecting groundwater source from pollution.
Barber Creek and Calls Creek WSPP	Upper Oconee Subcommittee Area  (North Oconee River, Middle Oconee River, Mulberry River, Apalachee River, Alcovy River)	Oconee County Utility Department	2005	Provides a characterization of creeks and recommended management practices including; greenspace set asides in floodplains, a zoning ordinance for MPD's (20% green or recreational space, an ordinance for land use densities and limits on impervious surface, minimum buffer requirements for development, a river corridor protection plan, SW outfall protection measures, use of LID practices, public education about NPS runoff, and ongoing monitoring.

Plans Collected and Considered When Selecting Water Management Practices				
Plan Type or Specific Title	Regional Resource(s) Impacted (Watershed/Aquifer)	Organization or Entity Associated With Plan	Date of Plan	Description of Relevant Plan Content (I.e. Practices currently planned for and/or in use in the Region to form the basis for the Council's selected water management practices)
Ordinance Amending the Water and Wastewater Standards of Oconee County, Georgia: Non-potable Reuse Water (NPRW) Systems	Upper Oconee Subcommittee Area  (North Oconee River, Middle Oconee River, Mulberry River, Apalachee River, Alcovy River)	Oconee County Board of Commissioners	2005	Outlines measures for the provision of wastewater effluent for non-potable uses.
Hard Labor Creek Reservoir – Project Summary	Upper Oconee Subcommittee Area  (North Oconee River, Middle Oconee River, Mulberry River, Apalachee River, Alcovy River)	Walton County Board of Commissioners and Walton County Water and Sewerage Authority	2009	Detailed description of history, project need and plans for constructing the reservoir.
Walton County Comprehensive Land Development Ordinance for the Apalachee River: Article 11, Part 1, Sections 100 and 101 – Environmental Protection	Upper Oconee Subcommittee Area  (North Oconee River, Middle Oconee River, Mulberry River, Apalachee River, Alcovy River)	Walton County Board of Commissioners	2010	Ordinance detailing measures for protecting surface and ground water including buffer requirements, provisions for handling hazardous waste, and setbacks for septic systems.

Plans Collected and Considered When Selecting Water Management Practices				
Plan Type or Specific Title	Regional Resource(s) Impacted (Watershed/Aquifer)	Organization or Entity Associated With Plan	Date of Plan	Description of Relevant Plan Content (I.e. Practices currently planned for and/or in use in the Region to form the basis for the Council's selected water management practices)
Walton County Comprehensive Land Development Ordinance Section 170 – Cornish Creek, Beaver Dam Creek and Hard Labor Creek Overlay Protection District	Upper Oconee Subcommittee Area  (North Oconee River, Middle Oconee River, Mulberry River, Apalachee River, Alcovy River)	Walton County Board of Commissioners	2010	Prohibits sanitary landfills, hazardous waste treatment and disposal facilities within source water watersheds. Includes provisions for facilities handling hazardous materials, and mining and quarry activities. Requires 100 ft. setback/greenway with no impervious surface for 50 ft of water body. Requires greenway of 150 ft from normal pool elevation for impoundments. Specifies regulations for development including: minimum lot size, density restrictions for septic systems and sewer areas, minimum home size, open space requirements, limits and impervious surface and prohibitions on septic systems in greenways.
Wastewater Master Plan for the Walton County Water and Sewerage Authority	Upper Oconee Subcommittee Area  (North Oconee River, Middle Oconee River, Mulberry River, Apalachee River, Alcovy River)	Walton County Water and Sewerage Authority	2006	Plan for the addition of three wastewater treatment facilities and expansion of conveyance systems to accompany new facilities.
Walton County Comprehensive Land Development Ordinance - Stormwater Management	Upper Oconee Subcommittee Area  (North Oconee River, Middle Oconee River, Mulberry River, Apalachee River, Alcovy River)	Walton County Board of Commissioners	2010	Requires stormwater management plans for construction and defines what must be included in plans. Requires hydrology studies and outlines design criteria for stormwater controls. Also requires a maintenance agreement to be recorded with plat and periodic inspections.

Plans Collected and Considered When Selecting Water Management Practices				
Plan Type or Specific Title	Regional Resource(s) Impacted (Watershed/Aquifer)	Organization or Entity Associated With Plan	Date of Plan	Description of Relevant Plan Content (I.e. Practices currently planned for and/or in use in the Region to form the basis for the Council's selected water management practices)
Walton County Water and Sewerage Authority Drought Contingency Plan	Upper Oconee Subcommittee Area  (North Oconee River, Middle Oconee River, Mulberry River, Apalachee River, Alcovy River)	Walton County Water and Sewerage Authority	2008	Defines use priorities and conditions that put priority levels into effect with the severity of measures needed increasing with each level of drought. Measures include prohibitions on outdoor use, request for voluntary restrictions by business and industry, no service of water in restaurants unless requested, no hydrant flushing and testing, and reuse of reclaimed water.
Walton County Water and Sewerage Authority Water Conservation Plan	Upper Oconee Subcommittee Area  (North Oconee River, Middle Oconee River, Mulberry River, Apalachee River, Alcovy River)	Walton County Water and Sewerage Authority	2008	Includes provisions for system leak detection, inspection, reporting, water system mapping, meter testing and replacement requirements. Outlines measures to prevent unauthorized use and unmetered service. Recommends education/outreach efforts including posters and printed materials and school-based programs.
Walton County Water and Sewerage Authority Future Water System Map	Upper Oconee Subcommittee Area  (North Oconee River, Middle Oconee River, Mulberry River, Apalachee River, Alcovy River)	Walton County Water and Sewerage Authority	2007	Map showing future service area and planned improvements including 3 storage tanks totaling 1.25 mgd and new conveyance lines.
Metropolitan North Georgia Water Planning District Watershed Management Plan	Basinwide	Metropolitan North Georgia Water Planning District	2009	Plan charactering river basins within the planning district, recommending management practices and providing instructions for implementation and evaluation.
Metropolitan North Georgia Wastewater Management Plan	Basinwide	Metropolitan North Georgia Water Planning District	2009	Includes provisions for inspection and maintenance of collection systems, septic system and decentralized system management, and calls for wastewater planning at the local level.



Plans Collected and Considered When Selecting Water Management Practices				
Plan Type or Specific Title	Regional Resource(s) Impacted (Watershed/Aquifer)	Organization or Entity Associated With Plan	Date of Plan	Description of Relevant Plan Content (I.e. Practices currently planned for and/or in use in the Region to form the basis for the Council's selected water management practices)
Metropolitan North Georgia Water Planning District Water Supply and Water Conservation Plan	Basinwide	Metropolitan North Georgia Water Planning District	2009	Includes recommendations for the continued use of existing reservoirs, the development of three planned reservoirs, the development of three new reservoirs, the construction of two storage facilities, the expansion of 28 water treatment plants and the construction of six water treatment plants. Also includes provisions for a water conservation program.
Washington County Joint Comprehensive Plan, 2005 - 2025	Lower Oconee Subcommittee Area (Buffalo Creek, Big Sandy Creek, Commissioner Creek, Lake Sinclair, Oconee River, Ogeechee River, Williamson Swamp Creek, and Ohoopee River)	Washington County, Georgia and the cities of Davisboro, Deepstep, Harrison, Oconee, Riddleville, Sandersville, and Tennille, Georgia.	2005	Plan characterizing Washington County and the communities within and providing general guidelines for future land use and ordinance development.
TMDL Implementation Plans <a href="http://www.gaepd.org/Documents/techguide_wpb.html#mdl">http://www.gaepd.org/Documents/techguide_wpb.html#mdl</a>	Basinwide	Georgia Environmental Protection Division	2010	Plans for improving impaired waterways. Measure include nonpoint source controls, education and outreach, collection system inspections, inspection and repair of failing septic systems, livestock exclusion, illicit discharge detection and other practices to minimize nonpoint source pollutants from entering waterways.

# Appendix C- TMDLs and TMDL Implementation Plans Reviewed

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TMDLs and TMDL Implementation Plans Reviewed for Management Practices						
Basin/Waterbody	County1	County2	County3	County4	Title	Short Description
Oconee	Oconee				Fecal Coliform TMDL Development, Anne Court Branch Watershed	Fecal coliform TMDL requiring 70% load reduction from NPS--targets sewer collection system.
Oconee	Athens-Clarke				TMDL Implementation Plan for Anne Court Branch	Aims to identify sources. Recommends addressing failing septic tanks and implementation of MS4 requirements
Oconee	Baldwin	Hancock	Washington	Wilmington	Total Maximum Daily Load (TMDL) for pH in Bluff Creek, GA (Downstream Wiggins Road to Oconee River)	Sets pH WLA at 6.0 to 8.5 for both point and nonpoint sources.
Ocmulgee	Walton				Revised TMDL Implementation Plan HUC 0307010307 - Alcovy River and Big Flat Creek - Jan. 2003	FC TMDL implementation plan aiming to reduce loads from 57% (Alcovy River) and 15% (Big Flat Creek).
Ocmulgee	Monroe				State of Georgia Revised TMDL Implementation Plan, Watershed Approach, Ocmulgee River Basin, Big Sandy Creek	FC TMDL implementation plan, focus on monitoring.
Ocmulgee	Monroe				State of Georgia Revised TMDL Implementation Plan, Big Sandy Creek--Ocmulgee River Basin, Sediment (Bio/Habitat Impacted)	TMDL implementation plan for sediment (no load reduction in TMDL) calls for strong ordinances, compliance with ordinances, BMPs, and monitoring.
Oconee	Barrow	Clarke	Jackson Putnam	Hancock Morgan	State of Georgia Revised TMDL Implementation Plan--Oconee River Basin, Sediment (Bio/Habitat Impacted) - 0%	TMDL implementation plan for sediment (no load reduction in TMDL) calls for strong ordinances, compliance with ordinances, BMPs, and monitoring.

TMDLs and TMDL Implementation Plans Reviewed for Management Practices						
Basin/Waterbody	County1	County2	County3	County4	Title	Short Description
Oconee	Jackson	Barrow			Revised TMDL Implementation Plan HUC 0307010102 - Mulberry River and Cedar Creek - April, 2003	Recommends continuation of ongoing agricultural practices, additional agricultural BMPs to control sediment and animal waste and efforts by City of Braselton. Goal reduces FC by 20% in 5 years and delist in 10 years.
Oconee	Athens-Clarke				TMDL Implementation Plan for Brooklyn Creek	FC TMDL implementation plan. Recommends working through existing watershed task force to identify sources. Recommends community education since watershed is primarily urban.
Oconee	Athens-Clarke				TMDL Implementation Plan for Mitchell Bridge Branch	FC TMDL implementation plan. Recommends working through existing watershed task force to identify sources. Recommends community education since watershed is primarily urban as well as effective implementation of MS4 program.
Oconee	Athens-Clarke	Jackson			Revised TMDL Implementation Plan HUC 0307010103 - Middle Oconee River, April 203	FC TMDL implementation plan recommends identification of sources, agricultural BMPs, and implementation/enforcement of MS4 program.
Oconee	Athens-Clarke				TMDL Implementation Plan for North Bypass Branch	FC TMDL Implementation plan recommends formation of a watershed committee, identification of sources, monitoring, public education and implementation of MS4 requirements.

TMDLs and TMDL Implementation Plans Reviewed for Management Practices						
Basin/Waterbody	County1	County2	County3	County4	Title	Short Description
Oconee	Jackson				Revised TMDL Implementation Plan HUC 0307010104 - North Oconee River, April 2003	FC TMDL Implementation plan aims to reduce FC by 60%. Recommends stormwater ordinance, development ordinance, sewer leak detection program and compliance with existing regulatory programs.
Oconee	Athens-Clarke				Revised TMDL Implementation Plan, HUC 030010105 - Trail Creek and North Oconee River, April 2003	FC implementation plan for West Fork Trail Creek and Carver Branch to meet reductions from 60 to 76%. Recommends implementation of ordinances, development of a SW utility, extending sewer lines to unserved areas, and BMPs.
Oconee	Athens-Clarke				Revised TMDL Implementation Plan, HUC 0307010105 - Trail Creek and North Oconee River, April 2003	TMDL implementation plan to reduce fecal coliform loads from 60 to 80%. Recommendations are ordinances, development of a SW utility, extending sewer lines to unserved areas, septic tank repairs and maintenance, and BMPs.
Oconee	Morgan	Greene	Jackson	Putnam	Revised TMDL Implementation Plan HUC 0307010106 - Oconee River and Cedar Creek, July 2003	TMDL implementation plan to reduce fecal coliform loads from 49 to 76%. Implementation measures include buffer protection, SW management and the development of SW management manuals, adoption of ordinances, development of a SW utility, sampling, and BMPs targeting identified sources.

TMDLs and TMDL Implementation Plans Reviewed for Management Practices						
Basin/Waterbody	County1	County2	County3	County4	Title	Short Description
Oconee	Greene				TMDL Implementation Plan for Fishing Creek	TMDL implementation plan to reduce fecal coliform loads by 10%. Implementation measures include sampling, formation of a watershed team, public education, source identification, repairing failing septic tanks.
Oconee	Oconee, Greene				TMDL Implementation Plan for Greenbriar Creek	TMDL implementation plan to reduce fecal coliform loads by 80%. Implementation measures include sampling, formation of a watershed team, public education, source identification, repairing failing septic tanks.
Oconee	Greene				TMDL Implementation Plan for Town Creek	TMDL implementation plan to reduce fecal coliform by 10% from agricultural sources. Implementation measures include sampling, formation of a watershed team, public education, source identification, repairing failing septic tanks.
Oconee	Barrow				TMDL Implementation Plan for Marburg Creek - Toxicity	City of Winder to submit WET test and EPD to base permits based on Georgia's Reasonable Potential Procedures
Oconee	Putnam	Morgan			Revised TMDL Implementation Plan HUC 0307010110 - Little Sugar Creek, August 2003	TMDL implementation plan to reduce fecal coliform 73%. Recommended implementation measures include 319 grant and agricultural BMPs, stormwater ordinances, identification of sources, and education for "hobby farmers."

TMDLs and TMDL Implementation Plans Reviewed for Management Practices						
Basin/Waterbody	County1	County2	County3	County4	Title	Short Description
Oconee	Morgan	Putnam			TMDL Implementation Plan for Sugar Creek	TMDL implantation plan recommends 5% reduction in runoff loading and 50% in groundwater inflow for FC. Implementation measures include: development of a task force, monitoring, public education, identification and repair of failing septic systems, repair of collection systems, and agricultural BMPs.
Oconee	Greene				Revised TMDL Implementation Plan HUC 0307010111 - Town Creek and Beaverdam Creek, April 2003	TMDL implementation plan recommends a reduction in the fecal coliform loading on Town Creek of 97%, on Beaverdam Creek of 84%, and on Richland Creek of 88%. Implementation measures include agricultural BMPs (fencing cattle), land development ordinances, illicit discharge detection, public education, and source identification.
Oconee	Morgan	Putnam, Baldwin	Barrow, Hancock	Clark, Jackson	Revised TMDL Implementation Plan, Oconee River - Sediment (Biota/Habitat ) 0% Reduction	TMDL implementation plan recommending following current erosion and sediment control measures and to allow streams to recover naturally from legacy sediment issues.
Oconee	Morgan	Putnam			TMDL Implementation Plan for Little River	TMDL implementation plan calling for 73% reduction in fecal coliform loads. Recommended measures include development of a stakeholder group, illicit discharge detection, and ongoing monitoring.

TMDLs and TMDL Implementation Plans Reviewed for Management Practices						
Basin/Waterbody	County1	County2	County3	County4	Title	Short Description
Oconee	Morgan	Putnam			TMDL Implementation Plan, HUC 0307010114 - Little River and Big Indian Creek, August 2003	TMDL implementation plan to meet a reduction in the fecal coliform loading on the Little River of 59% and on Big Indian Creek of 73%. Recommended measures include implementation of existing and proposed stormwater-related ordinances, public education, illicit discharge detection, development of a stormwater utility, ongoing monitoring, and BMPs to target identified source of pollutant loads.
Oconee	Putnam				TMDL Implementation Plan for Little River (Fecal Coliform)	TMDL implementation plan for a 50% reduction in fecal coliform loading. Calls for expanded ordinances, sewer leak detection, stakeholder involvement, expansion of existing programs (such as Adopt-A-Stream) and BMPs, including buffers.
Oconee	Morgan	Putnam	Barrow, Clarke	Jackson, Hancock	Revised TMDL Implementation Plan - Oconee River (Biota/Habitat Impacted), 0% Reduction Required, 2003 Revision	TMDL implementation plan recommending following current erosion and sediment control measures and to allow streams to recover naturally from legacy sediment issues.
Oconee	Baldwin	Morgan	Green	Putnam, Jackson	TMDL Implementation Plan, Oconee River Basin - Delisted Streams	TMDL delisting document recommending 13 stream segments be delisted with just cause.



TMDLs and TMDL Implementation Plans Reviewed for Management Practices						
Basin/Waterbody	County1	County2	County3	County4	Title	Short Description
Oconee	Baldwin	Putnam			TMDL Implementation Plan for Fecal Coliform Bacteria in Big Cedar Creek	TMDL implementation plan aiming for 80% reduction in fecal coliform loads. Recommended measures include the development of partnerships and stakeholder groups, illicit discharge detection, installation of BMPs, and monitoring.
Oconee	Baldwin	Putnam	Hancock		TMDL Implementation Plan for Lake Sinclair-Temperature	TMDL implementation plan to maintain thermal temperature below 90 degrees F. Recommended implementation is through NPDES permitting program.
Oconee	Baldwin	Putnam	Hancock		Revised TMDL Implementation Plan - Watershed Approach Oconee Basin (FC and pH Bluff Creek and Town Creek).	TMDL implementation plan to control fecal coliform and pH. Management measures include agricultural BMPs, erosion and sediment control, and monitoring.
Oconee	Washington				Revised TMDL Implementation Plan - Watershed Approach Oconee Basin (Buffalo Creek and Limestone Creek)	TMDL implementation plan to address Zn, pH, and biota (sediment). Recommends establishment of a sediment and erosion control ordinance, compliance with existing regulations, and monitoring.
Oconee	Wilkinson				TMDL Implementation Plan for pH in Commissioner Creek	TMDL implementation plan. Recommends development of industry-wide standards for BMPs by GA Mining Association, development of partnerships, and monitoring.

TMDLs and TMDL Implementation Plans Reviewed for Management Practices						
Basin/Waterbody	County1	County2	County3	County4	Title	Short Description
Oconee	Wilkinson				TMDL Implementation Plan for Little Commissioner Creek (Sediment-Biota)	TMDL implementation plan aimed for no net increase in sediment loading. Recommended measures include development of stakeholder group, establishment of BMP criteria for buffers and set-backs, education and outreach, monitoring and the development of partnerships amongst local governments.
Oconee	Wilkinson				TMDL Implementation Plan for Little Commissioner Creek (Fecal Coliform)	TMDL implementation plan to reduce fecal coliform loads by 82.6%. Recommended actions include local ordinance to allow for the inspection of septic systems, collection system leak detection, education and outreach, development of partnerships, and establishing buffers.
Oconee	Laurens				TMDL Implementation Plan, Oconee River (Fecal Coliform) Long Branch to Turkey Creek	TMDL implementation plan to reduce fecal coliform by 25%. Recommends compliance with existing regulations, forestry BMPs, the establishment and compliance with local ordinances, forestry BMPs, and monitoring.
Oconee	Laurens				Turkey Creek TMDL Implementation Plan Narrative/Lauren's County , GA	Implementation plan to reduce fecal coliform loads on two stream segments from 51% to 62%. Recommended measures include establishing septic tank maintenance ordinance, establishing land use and zoning, agricultural and forestry BMPs, and monitoring.