

Oconee and Milligan Creeks Watershed Cluster TMDL Implementation Plan Narrative Montgomery and Toombs Counties, Georgia

Introduction

Oconee and Milligan creeks have been listed as impaired water bodies on the State of Georgia's 303(d) list of impaired waters due to the presence of fecal coliform bacteria. Because of the recent drought, Oconee and Milligan creeks have become intermittent streams. The lack of consistent water flow and the resultant high water temperatures of remaining pools of stagnant water has no doubt contributed to water quality problems of fecal coliform. Locals at the public meeting noted that there has been standing water in Oconee Creek for the past two years, and that they cannot fish during the summer months in the creek. With Milligan Creek, locals mentioned that it has been an intermittent stream for the past five years and, even with the recent rains, it flowed only three times out of the last three months. Locals note numerous large beaver dams throughout the creeks that aggravate the problems of low flow and stagnant water. As another possible contributor to the fecal coliform problem, locals note the number of dumpsters that lie along Oconee Creek. Also, locals pointed out a manufactured housing park that lies along Oconee Creek. While there is a general understanding and willingness to help improve water quality, these local concerns over the true nature of the water quality issues in Oconee and Milligan creeks will have to be addressed to obtain acceptance and support of the TMDL Implementation Plans. Locals believe that a problem exists with the two creeks; however, they do not feel that there is a major problem that exists. There was much concern that the sampling was taken in a time of severe drought, and essentially from small, stagnant pools of water. The TMDL Implementation Plans concentrate on educating the public about non-point sources of water pollution and encouraging the use of best management practices at the agriculture, forestry, and urban and residential levels. Reduction of bacteria entering Oconee Creek by 74.9% and Milligan Creek by 83.1% will no doubt make for better water quality regardless. A more involved and in-depth monitoring program can also help better define the issues and resolve any local concerns.

Background and Purpose

Oconee Creek, lying in Montgomery and Toombs counties, is in the Lower Altamaha River Basin and eventually flows into the Altamaha River. The 11-mile segment with headwaters southwest of the City of Higgston in Montgomery County is currently listed on the 303(d) list in the State of Georgia for violating the water quality standard for fecal coliform bacteria. Milligan Creek, lying in Montgomery and Toombs counties, is in the Lower Altamaha River Basin and eventually flows into the Altamaha River. The 11-mile segment with headwaters northwest of the City of Alston in Montgomery County is on the 303(d) list for fecal coliform as well.

The presence of fecal coliform bacteria in aquatic environments indicates that the water has been contaminated with the fecal material of man or other animals. At the time this occurred, the source water might have been contaminated by pathogens or disease producing bacteria or viruses, which can also exist in fecal material. Some waterborne pathogenic diseases include typhoid fever, viral and bacterial gastroenteritis and hepatitis A. The presence of fecal contamination is an indicator that a potential health risk exists for individuals exposed to this water. Fecal coliform bacteria may occur in ambient water as a result of the overflow of domestic sewage or non-point sources of human and animal waste.

The U.S. Clean Water Act requires a TMDL, or Total Maximum Daily Load, to be established for each pollutant in every body of water on the 303(d) list. A TMDL is a calculation of the maximum amount of pollutant, from both point and non-point sources, that a water body can receive and still adhere to the minimum water quality standard developed by the State of Georgia. The United States Department of Interior-Geological Survey (USGS) and the Georgia Environmental Protection Division (GAEPD) gathered samples from Oconee Creek beginning in January of 1999 through December of 1999. The GAEPD tested samples to detect the level of fecal coliform. For the months of May through October, fecal coliform should not exceed 400 counts per 100ml on any given sample collected from a given sampling site. In the months of November through April, fecal coliform should not exceed 4,000 colonies per 100ml, on any given sample collected from a given sampling site. The data gathered indicated four exceedances of the fecal coliform level during the months of May through October. Due to a lack of sufficient sampling data during the period, a more generous standard for fecal coliform was utilized for Oconee Creek. Normally, the standard for the months of May through October is 200 colonies per 100ml. For the months of November through April, the normal standard is 1,000 colonies per 100ml. In 2000, the 11-mile segment of Oconee Creek was placed on the 303(d) list. The GAEPD also tested samples to detect the level of fecal coliform in Milligan Creek. For the months of May through October, fecal coliform should not exceed a geometric mean of 200 counts per 100ml on at least four samples collected from a given sampling site over a 30-day period at intervals not less than 24 hours. In the months of November through April, fecal coliform should not exceed a geometric mean of 1,000 colonies per 100ml, based on at least four samples collected from a given sampling site over a 30-day period at intervals not less than 24 hours, and not to exceed a maximum of 4,000 colonies per 100ml for any sample. The data gathered indicated two exceedances of the fecal coliform level during the months of May through October geometric mean standard of 200 colonies per 100ml in Milligan Creek. In 2000, the 11-mile segment of Milligan Creek was placed on the 303(d) list.

The purpose of the implementation plan is to identify the actions that must be taken in the future to decrease the level of fecal coliform in Oconee Creek and Milligan Creek by reducing the amount of bacteria entering the stream by 74.9%

and 83.1%, respectively. This should improve the water quality and better enable Oconee and Milligan creeks to meet the state water quality standard.

Plan Preparation

The implementation plan was developed by the Heart of Georgia Altamaha RDC with the assistance of a watershed committee comprised of stakeholder representatives from the forestry industry, agriculture, the Georgia Forestry Commission, the Ohoopsee Soil and Water Conservation Committee, Cooperative Extension Service, the Pine Country R C & D, the NRCS, Montgomery and Toombs County Commissions, four mayors, two city managers, and the local presidents of Farm Bureau. The Heart of Georgia Altamaha RDC was in charge of drafting the plan under a contract signed with the GA EPD to prepare a TMDL Implementation Plan. A preliminary copy of the plan and planning process was discussed and a presentation was given at the initial watershed committee meeting on April 30, 2003 at the Montgomery County Adult Literacy Center. Along with the watershed committee, landowners with 500 acres or more of property within two miles of either side of the creek were invited to attend this initial committee meeting to give comments.

A meeting to educate the public and receive further stakeholder input by discussing and reviewing the draft plan took place with a presentation at the Montgomery County Adult Literacy Center in Mount Vernon, GA on May 15, 2003. At this meeting, any landowners who owned 25 acres or more of property within two miles of either side of both creeks were sent a letter informing and inviting them to the public meeting. Fourteen persons attended this meeting. Public comments were solicited and input was placed into the plans. The plans address the steps that will be taken in the future to improve the water quality standard. The plans provide for monitoring and implementation actions to achieve goals submitted on the TMDLs. A draft of the final plans was mailed to the watershed stakeholder committee on June 27, 2003, for solicitation of comments before final submittal to EPD.

TMDL Data and Potential Sources of Pollution

In January 1999, the USGS and the GAEPD began a follow-up sampling and monitoring study as a part of a five-year River Basin Planning cycle (Georgia EPD). The data was gathered on a monthly basis through December 1999. As stated earlier, a more generous water quality standard was utilized for Oconee Creek due to a lack of complete sampling data. For the months of May through October, fecal coliform should not exceed 400 counts per 100ml on any given sample collected from a given sampling site. In the months of November through April, fecal coliform should not exceed 4,000 colonies per 100ml, on any given sample collected from a given sampling site. The data gathered indicated four exceedances of the fecal coliform level during the months of May through October. The GAEPD also tested samples to detect the level of fecal coliform in the segment of Milligan Creek. For the months of May through October, fecal coliform should not exceed a geometric mean of 200 counts per 100ml on at

least four samples collected from a given sampling site over a 30-day period at intervals not less than 24 hours. In the months of November through April, fecal coliform should not exceed a geometric mean of 1,000 colonies per 100ml, based on at least four samples collected from a given sampling site over a 30-day period at intervals not less than 24 hours, and not to exceed a maximum of 4,000 colonies per 100ml for any sample. The data gathered indicated two exceedances of the fecal coliform level during the months of May through October geometric mean standard of 200 colonies per 100ml in Milligan Creek. In 2000, the 11-mile segment of Milligan Creek was placed on the 303(d) list.

The Oconee Creek watershed consists primarily of forest and cropland, with minimal areas of pasture and wetlands. Of the 38,979 acres that make up the impaired segment, 45 percent is comprised of forest. Another 37 percent is cropland. The Milligan Creek watershed consists primarily of cropland and forest, with minimal areas of pasture and wetlands. Of the 28,938 acres that make up the impaired segment, 41 percent is comprised of cropland. Another 37 percent is forest. Urban non-point sources were identified by EPD as a possible primary source of the fecal coliform. One of the sources is the general storm water runoff that originates from the cities of Alston and Uvalda. This is the runoff from construction, streets, and residential areas that results from rainfall. In fact, Milligan Creek flows through the City of Uvalda. Also, there is one point source that could be a contributor to the fecal coliform problem, particularly in Milligan Creek, the City of Uvalda WPCP (#GA*****) has an NPDES permit.

As mentioned in the introduction, the erection by beavers of large dams has been a continuous problem. This has led to a significant reduction in the amount of timber located along the streams. In addition, the presence of the beavers also raises the possibility of an additional contributor of non-point source pollution. Both creeks have a well-known reputation among locals as being intermittent streams throughout most of the year. The beaver dams tend to aggravate the situation by further restricting the stream's ability to flow.

Along with the large beaver dams, locals believe that the fecal coliform problem in Oconee Creek possibly results from the recent drought. Locals pointed out that the water in Oconee Creek has been standing for the past two years. Locals have not been able to fish in Oconee Creek during the summer months because the drought has been so severe. One local mentioned that he was present when a test at the sampling site was being conducted in 1999 by the USGS. He pointed out that when the 16,000 counts per 100ml measurement was recorded in June that the water level was around 1,000 gallons when it normally was around 20,000 gallons, as estimated by the individual. Locals mentioned that Milligan Creek has been an intermittent stream for the past five years. Many locals have added 20 to 40 feet of extra piping to their wells to compensate for the low water level.

Locals also mentioned the presence of three dumpsters above the County Road 78 monitoring site on Oconee Creek near Vidalia, GA. Until recently, there were four dumpsters located at this site. Along with the dumpsters on Oconee Creek, there is also a manufactured housing park located along the creek. Locals stated that in the past large amounts of trash have been hauled out of the park and continues constantly. With the presence of this residential area, the possibility also exists that runoff from septic tanks could also be a contributor to the problem of fecal coliform.

Regulatory and Voluntary Measures: Existing and Future

Septic tank maintenance ordinances are an effective way to curtail urban and residential runoff. In Montgomery and Toombs counties, such ordinances are not in effect, septic tank installations are regulated. It is important that future septic tank regulations, particularly relating to post-construction maintenance, be implemented at the local level. Future use of residential BMPs should also be explored as a practical means of limiting residential runoff. The local Cooperative Extension office can help individual homeowners assess and utilize BMPs through its Home*A*Syst Program.

Public education measures, beginning with the TMDL Implementation Plans and continuing in the future concerning Best Management Practices, are an efficient way to reach the local citizenry. Agriculture BMPs include, but are not limited to, the use of a waste storage structure, conservation tillage, waste storage pond, diversion, fencing, filter strips, stock trails/walkways, stream/shoreline protection, nutrient management, and well protection. The beavers have contributed to the problem by killing the natural filter strips of trees along the creeks. Farmers utilize some of the agriculture BMPs currently; however, many do not practice them, and some do not know how to define a BMP. The NRCS and the Pine Country RC&D continue to work with farmers by educating them and providing them with the proper resources/information to enable them to install current and future BMPs. Cooperative Extension can also provide individually tailored assistance with BMPs through its Farm*A*Syst Program.

The use of forestry BMPs is becoming more prevalent, however, some landowners continue to ignore forestry BMPs. The Georgia Forestry Commission has and continues to make a conscious effort to educate and monitor BMPs by aerial surveillance. Some forestry BMP categories include, but are not limited to, harvesting in SMZ's, mechanical site preparation, chemical site preparation, fertilization, firebreaks, skid trail stream crossings and road crossings, and logging roads. The State Implementation Committee of the forest industry's Sustainable Forestry Initiative can lend valuable support/assistance. It is unlikely that forestry contributes to any fecal coliform problems. To the contrary, more forested buffers of streams could help prevent such contamination.

The Cities of Alston and Uvalda currently do not have planning and zoning regulations within its city limits, although the City of Uvalda is currently pursuing

the possibility of adopting a zoning ordinance. Montgomery and Toombs counties currently do not have any planning and zoning regulations in the unincorporated areas as well. Montgomery and Toombs counties enforce erosion and sedimentation control measures at the state level. However, there are no erosion and sedimentation measures enforced at the local level.

The implementation of Land Use Management Regulations is planned in the future on a county-by-county basis. The regulations will be put into place as the necessary support at the local level is obtained. They will be enforced by local governments, GA DNR, GA Department of Human Resources, GA Department of Community Affairs, and the GA Forestry Commission. The regulations would utilize state-mandated environmental planning criteria, local planning and zoning ordinances, BMPs for agriculture and forestry, erosion and sedimentation measures, and septic tank permitting to manage runoff and development. The Heart of Georgia Altamaha RDC will provide technical assistance in developing a "zoning lite" ordinance to encourage local governments to implement planning and zoning measures.

Storm Water Management Regulations are planned for implementation in the future as well on a county-by-county basis. The new regulations will be put into effect as requisite local support is obtained, and the GA DNR, GA EPD, and local governments will enforce them. The regulations would utilize local ordinance enforcement to produce better erosion and sedimentation control at the time of construction. These regulations could possibly require post-construction erosion and sedimentation control and possibly utilize passive design elements in new developments and stream buffers to prevent runoff.

A Cooperative Monitoring Program is needed for future implementation. The GA DNR, GA EPD, local governments, and possibly local volunteers would conduct the program. Additional regular monitoring of Oconee and Milligan creeks are needed to better define pollutant sources. The program could also consist of a scientific study of issues such as fecal coliform levels in slow-moving blackwater streams. It also could possibly seek funding and cooperation for watershed assessments, including possible model demonstration assessments for small watersheds, and develop a program for implementation assessments for Oconee and Milligan creeks.

An implementation of an Adopt-A-Stream program is needed. The program would be utilized through various organizations and groups throughout the watershed. The program will provide updates on current stream conditions in the future as the requisite funding and support are developed.

Schedule for Implementation

BMPs for the agriculture and forestry community will be promoted beginning in 2003 and continuing. The schedule for implementing the Land Use Management Regulations and the Storm Water Management Regulations is on a county-by-

county basis in the near future, as local support is obtained. It would be helpful if the Cooperative Monitoring Program could be implemented in 2004 pending funding. An Adopt-A-Stream Program would also be helpful if implemented by 2004, pending local support and funding.

Monitoring Plan

The GA Forestry Commission will continue to do aerial and land surveillance of the watershed area. It is possible for Adopt-A-Stream monitoring to begin to take place in the future, as the requisite funding and support are developed.

Funding

The GA Forestry Commission will continue to do aerial and land surveillance of the watershed area. Also, the Georgia Forestry Commission will continue to administer Best Management Practices Assurance Examinations. The U.S. Fish and Wildlife Service is funding a program called "Partners for Wildlife," which is sponsored through the GA Soil and Conservation Service. Also, some funding will originate from the USDA through the Farm Service Agency and the Natural Resource Conservation Service. The UGA Cooperative Extension Service is funding two programs; Home*A*Syst and Farm*A*Syst, which are enacted by the local agriculture extension agent offices. Finally, the State Implementation Committee (SFI) is funding a program called "Sustainable Forestry Initiative." The National Fish and Wildlife Foundation is funding a program called the General Grant Challenge Program. The Georgia Department of Natural Resources Wildlife Resources Division has produced two booklets that are available to the public, "Small Game Management in Georgia" and "Beaver Management and Control in Georgia." Additional funding is likely needed to establish more in-depth monitoring.

Criteria to Determine Progress

The criteria to determine whether progress toward attainment is being made will be shown through the results of future monitoring by any improved fecal coliform levels through reducing the amount of bacterial loading in both creeks.

Conclusion

Improved future utilization and implementation of best management practices at the agricultural, residential, and urban levels will provide substantial progress in reducing the levels of fecal coliform bacteria in Oconee and Milligan creeks. The examination of potential non-point sources would be helpful. Any action(s) taken as a result of such an examination would further assist in producing progress. We anticipate the removal of Oconee and Milligan creeks from the State of Georgia's 303(d) list.

STATE OF GEORGIA
TMDL IMPLEMENTATION PLAN
WATERSHED APPROACH
Altamaha River Basin

Local Watershed Governments

- Heart of Georgia – Altamah RDC
- Montgomery County
- Toombs County
- City of Alston
- City of Uvalda

TMDL Implementation Plans are platforms for establishing a course of actions to restore the quality of impaired water bodies in a watershed. They are intended as a continuing process that may be revised as new conditions and information warrant. Procedures will be developed to track and evaluate the implementation of the management practices and activities identified in the plans. Once restored, appropriate management practices and activities will be continued to maintain the water bodies.

This Implementation Plan addresses an action plan, education/outreach activities, stakeholders, pollutant sources, and potential funding sources affecting the sub-basin. In addition, the Plan describes (a) regulatory and voluntary practices/control actions (*management measures*) to reduce target pollutants, (b) milestone schedules to show the development of the management measures (*measurable milestones*), (c) a monitoring plan to determine the efficiency of the management measures and measurable milestones, and (d) criteria to determine whether substantial progress is being made towards reducing pollutants in impaired waterbodies. The overall goal of the Plan is to define a set of actions that will help achieve water quality standards in the state of Georgia. Following this section is information regarding individual segments.

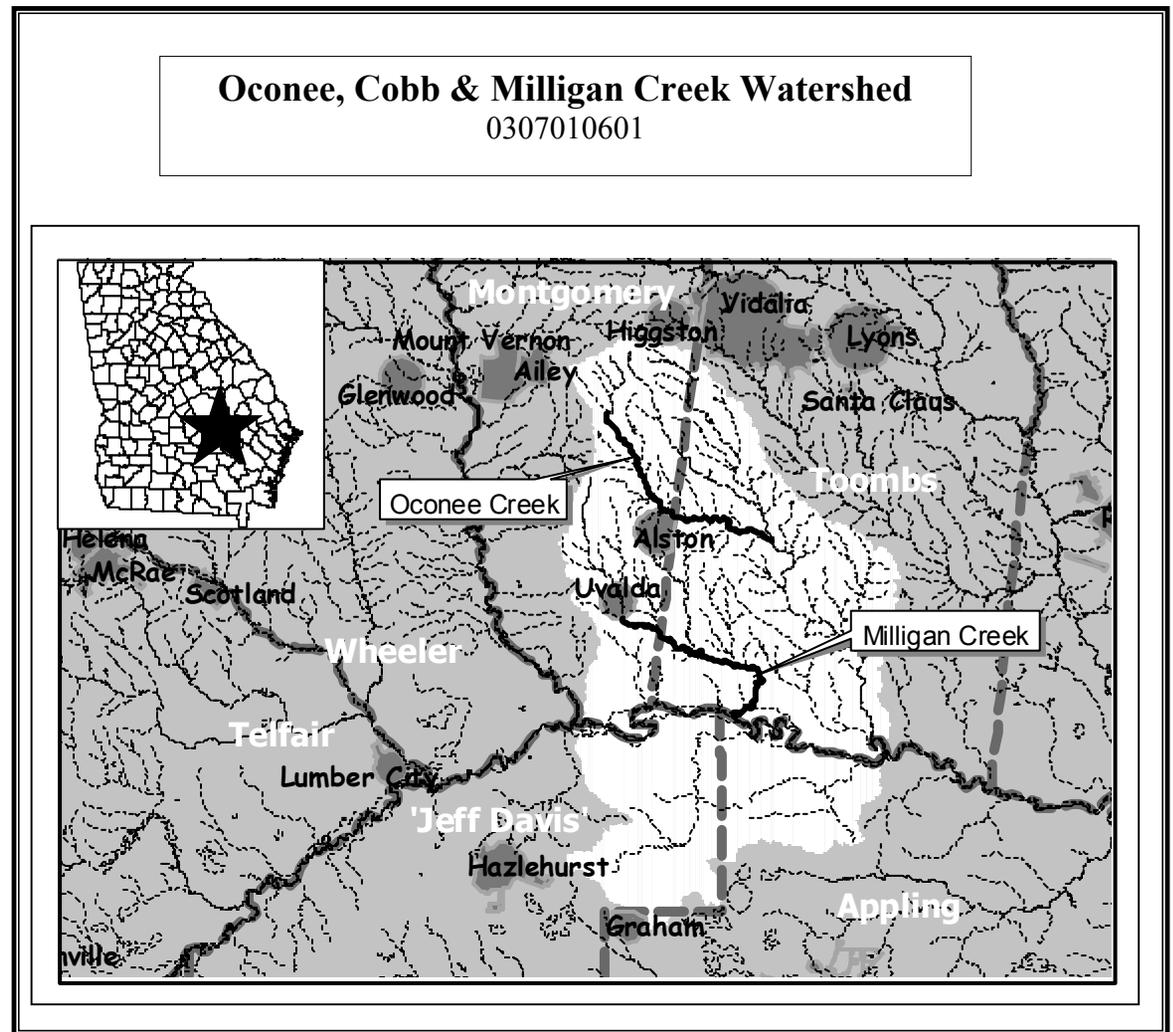


FIGURE 1

| Impaired Waterbody* | Impaired Stream Location | Impairment |
|---------------------|--------------------------|----------------|
| 1. Oconee Creek | Headwaters to Cobb Creek | Fecal Coliform |
| 2. Milligan Creek | Uvalda to Altamaha River | Fecal Coliform |
| 3. | | |

*These Waterbody Numbers are referenced throughout the Implementation Plan.

| POLLUTANT: | SOURCE: | EFFECT: | WHAT CAN I DO? | |
|---|---|---|--|--|
| | | | At Home: Community, School | At Work: Business, Government |
| <input type="checkbox"/> Dissolved Oxygen (DO) <input checked="" type="checkbox"/> Fecal Coliform (FC) <input type="checkbox"/> Sediment <input type="checkbox"/> Metals <input type="checkbox"/> Fish Consumption Guidelines (FCG) <input type="checkbox"/> Other (Please List) | <input type="checkbox"/> Industrial <input checked="" type="checkbox"/> Urban <input checked="" type="checkbox"/> Agriculture <input type="checkbox"/> Forestry <input checked="" type="checkbox"/> Residential <input type="checkbox"/> Other (Please List) | <input type="checkbox"/> Habitat <input type="checkbox"/> Recreation <input type="checkbox"/> Drinking Water <input type="checkbox"/> Aesthetics <input checked="" type="checkbox"/> Other (Please List) Fishing | Get Involved in Adopt-A-Stream Public Education Use Proper BMPs Check Septic System | Develop Zoning Ordinances Dispose of Harmful Chemicals Properly |

INFORMATION/EDUCATION/OUTREACH ACTIVITIES

An education/outreach component will be used to enhance public understanding of and participation in implementing the TMDL Implementation Plan.
List of all previous and planned information/education/outreach activities.

| Responsible Organization Or Entity | Description | Impacted Waterbodies* | Target Audience | Anticipated Dates (MM/YY) |
|---|---|------------------------------|---|----------------------------------|
| Heart of Georgia Altamaha RDC | TMDL Presentation at Montgomery County Adult Literacy Center for the committee | Oconee and Milligan creeks | Local Governments, Agriculture Organizations, Georgia Forestry Commission, Forestry Industries, Ohoopee Soil and Water Conservation Service, Natural Resource Conservation Service, Pine Country RC & D, Altamaha RiverKeeper | April 30, 2003 |
| Heart of Georgia Altamaha RDC | A Press Release to The Advance Progress concerning Public Meeting (May 8, 2003) | Oconee and Milligan creeks | General Public | May 8, 2003 |
| Heart of Georgia Altamaha RDC | A Press Release to The Montgomery Monitor concerning Public Meeting (May 8, 2003) | Oconee and Milligan creeks | General Public | May 8, 2003 |
| Heart of Georgia Altamaha RDC | A Public Service Announcement to Vidalia Communications (97.7 FM/WTCQ, 101.7 FM/WYUM, 970 AM/WVOP) in Vidalia, GA | Oconee and Milligan creeks | General Public | May 12-13, 2003 |
| Heart of Georgia Altamaha RDC | A Public Service Announcement to WLYU (100.9 FM) in Lyons, GA | Oconee and Milligan creeks | General Public | May 12-13, 2003 |
| Heart of Georgia Altamaha RDC | TMDL Presentation at Montgomery County Commissioners Meeting | Oconee and Milligan creeks | County Officials | May 6, 2003 |
| Heart of Georgia Altamaha RDC | TMDL Presentation at City of Vidalia City Council Meeting | Oconee and Milligan creeks | City Officials | May 12, 2003 |
| Heart of Georgia Altamaha RDC | TMDL Presentation for Public Meeting at the Montgomery County Adult Literacy Center in Mount Vernon, GA | Oconee and Milligan creeks | Landowners with 25 Acres or more within 2 miles on either side of Oconee and Milligan creeks in Toombs and Montgomery counties | May 15, 2003 |
| Heart of Georgia Altamaha RDC | TMDL Presentation at City of Uvalda City Council Meeting | Oconee and Milligan creeks | City Officials | May 21, 2003 |
| Heart of Georgia Altamaha RDC | TMDL Presentation at City of Lyons City Council Meeting | Oconee and Milligan creeks | City Officials | June 3, 2003 |
| Heart of Georgia Altamaha RDC | TMDL Presentation at Toombs County Commissioners Meeting | Oconee and Milligan creeks | County Officials | June 10, 2003 |
| Heart of Georgia Altamaha RDC | TMDL Presentation at City of Alston City Council Meeting | Oconee and Milligan creeks | City Officials | June 10, 2003 |
| Heart of Georgia Altamaha RDC | TMDL Presentation at City of Santa Claus City Council Meeting | Oconee and Milligan creeks | City Officials | June 17, 2003 |
| Heart of Georgia Altamaha RDC | TMDL Presentation at City of Higgston City Council Meeting | Oconee and Milligan creeks | City Officials | July 1, 2003 |
| Heart of Georgia Altamaha RDC | TMDL Presentation at City of Tarrytown City Council Meeting | Oconee and Milligan creeks | City Officials | July 7, 2003 |

STAKEHOLDERS

EPD encourages public involvement and the active participation of stakeholders in the process of improving water quality. Stakeholders can provide valuable information and data regarding their community and the impaired water bodies and can provide insight and/or implement management measures.

List of local governments, agricultural organizations or significant landholders, commercial forestry organizations, businesses and industries, and local organizations including environmental groups and individuals with a major interest in this watershed.

| Name/Organization | Address | City | State | Zip | Phone | E-Mail |
|---|---------------------------------|--------------|--------------|------------|----------------|---------------|
| GA Forestry Commission | 1891 GA Highway 178 | Lyons | GA | 30436 | (912)-526-8680 | |
| Ohoopsee Soil and Water Conservation District | PO Box L | Vidalia | GA | 30474 | N/A | |
| Ohoopsee Soil and Water Conservation District | 837 Cypress Creek Road | Mount Vernon | GA | 30445 | N/A | |
| Toombs County Cooperative Extension Service | 200 Courthouse Square, Suite 1 | Lyons | GA | 30436 | (912)-526-3101 | |
| Montgomery County Cooperative Ext. Service | PO Box 276 | Mount Vernon | GA | 30436 | (912)-583-2240 | |
| Toombs County Commissioners | 100 Courthouse Square | Lyons | GA | 30436 | (912)-526-3311 | |
| City of Lyons | 257 North State Street | Lyons | GA | 30436 | (912)-526-6578 | |
| City of Santa Claus | PO Box 469 | Santa Claus | GA | 30436 | (912)-526-6949 | |
| City of Vidalia | 114 Jackson Street | Vidalia | GA | 30475 | (912)-537-7661 | |
| City of Higgston | 310 James Street (Higgston) | Ailey | GA | 30410 | (912)-537-0555 | |
| Montgomery County Commissioners | PO Box 295 | Mount Vernon | GA | 30445 | (912)-583-2363 | |
| City of Alston | PO Box 40 | Alston | GA | 30412 | (912)-594-6701 | |
| City of Uvalda | PO Box 298 | Uvalda | GA | 30473 | (912)-594-6414 | |
| Natural Resource Conservation Service | 145 N. Anderson Drive | Swainsboro | GA | 30401 | (912)-237-8866 | |
| Natural Resource Conservation Service | 303 Fulton Street | Mount Vernon | GA | 30445 | (912)-583-4432 | |
| Rayonier Southeast Forest Products | PO Box 626 | Jesup | GA | 31598 | (912)-530-8471 | |
| Pine Country RC & D | 105 Martin Luther King JR Drive | Soperton | GA | 30457 | (912)-529-6652 | |
| International Paper | RT 2 Box 2 | Soperton | GA | 30457 | (912)-529-3447 | |
| Toombs County Farm Bureau | PO Box 505 | Vidalia | GA | 30475 | N/A | |
| Montgomery County Farm Bureau | PO Box 194 | Alston | GA | 30412 | N/A | |

WATER BODIES/STREAMS COVERED IN THIS PLAN:

These impaired streams are located in the same sub-basin identified by a HUC10 code. Most of the information contained in this section comes from the 303(d) list and has been completed by employees of the EPD Water Protection Branch. Data that placed stream on 303(d) list will be provided upon request.

| Waterbody Name #1 | Location | Miles/Area Impacted | Use Classification | Partially Supporting/ Not Supporting (PS/NS) |
|--------------------------|---|----------------------------|---------------------------|---|
| Oconee Creek | Headwaters to Cobb Creek | 11 | Fishing | NS |
| Primary County | Secondary County | Second RDC | | Source (Point/ Nonpoint) |
| Montgomery | Toombs | | | Nonpoint |
| Pollutants | Water Quality Standards | Required Reduction | TMDL ID | Date TMDL Established |
| Fecal Coliform | 1000/100 ml (geometric mean Nov.-April) 200/100 ml (geometric mean May-Oct.) | 74.9% | | January 2002 |

| Waterbody Name #2 | Location | Miles/Area Impacted | Use Classification | Partially Supporting/ Not Supporting (PS/NS) |
|--------------------------|---|----------------------------|---------------------------|---|
| Milligan Creek | Uvalda to Altamaha River | 11 | Fishing | NS |
| Primary County | Secondary County | Second RDC | | Source (Point/ Nonpoint) |
| Montgomery | Toombs | | | Nonpoint |
| Pollutants | Water Quality Standards | Required Reduction | TMDL ID | Date TMDL Established |
| Fecal Coliform | 1000/100 ml (geometric mean Nov.-April) 200/100 ml (geometric mean May-Oct.) | 83.1 % | | January 2002 |

POLLUTANT SOURCES

It is important to recognize the potential source(s) causing water quality impairment. Each source must be controlled to comply with target TMDL/Load Allocations for each pollutant. Included is a description of how the sources contribute to the impairment and the waterbody that is impaired.

List of major nonpoint source categories and sub-categories or individual sources (Urban Runoff, Agriculture, Forestry, Municipal Sewage Treatment Plant)

| Pollutant | Sources of Pollutants | Description of Contribution To Impairment | Impacted Waterbodies* |
|----------------|--------------------------------|--|----------------------------|
| Fecal Coliform | Agriculture | Possible introduction of animal waste from upslope practices and sediment from storm water runoff when BMPs are not followed | Oconee and Milligan creeks |
| Fecal Coliform | Residential | Possible introduction of discharges resulting from septic tank runoff and littering from nearby residential areas, including the cities of Alston (Oconee) and Uvalda (Milligan) | Oconee and Milligan creeks |
| Fecal Coliform | Municipal (Storm water Runoff) | Possible introduction of storm water runoff from municipal areas (including the cities of Alston (Oconee) and Uvalda (Milligan)) | Oconee and Milligan creeks |
| Fecal Coliform | Urban | Possible introduction of water runoff from urban development in and near Alston and Uvalda | Oconee and Milligan creeks |

MANAGEMENT MEASURES, MEASURABLE MILESTONES AND SCHEDULE

(i.e. Local codes and ordinances, Erosion and Sedimentation Control, Storm Water Management, Local water resource monitoring)

The following table lists management measures that have been or will be implemented to achieve water quality standards and the load reductions established in the TMDL. The management measures, including regulatory or voluntary actions or other controls by governments or individuals, specifically apply to the pollutant and the waterbody for which the TMDL was written. A description is provided of how these management measures are/will be accomplished through reliable and effective delivery mechanisms, and how these management measures are/will help achieve the target TMDL. Included is the source of the pollutant, anticipated/past effectiveness of the management measure (very effective, somewhat effective, not effective), the current status (i.e. enforced, in-progress,

planning), and measurable milestones and schedule. Milestones are used to measure progress in attaining water quality standards and to determine whether management measures are being implemented.

| Management Measure | Responsible Government, Organization or Entity | Description | Enacted/Projected Date | Status | Regulatory/Voluntary |
|--|---|---|-------------------------------|---------------|-----------------------------|
| Georgia Water Quality Control Act (OCGA 12-5-20) | Georgia DNR, EPD | Makes it unlawful to discharge excessive pollutants into waters of the state in amounts harmful to public health, safety or welfare, animals, or the physical destruction of stream habitat | 1964 | Current | Regulatory |

| Pollutant(s) Affected | Sources of Pollutant(s) | Impacted Waterbodies* | Anticipated or Past Effectiveness |
|------------------------------|-------------------------------------|------------------------------|---|
| Fecal Coliform | Agriculture, Residential, Municipal | Oconee and Milligan creeks | Effective in point source pollution in dealing with local governments and industry/ Limited effectiveness in dealing with non-point sources |

| Measurable Milestones | Schedule | | Comments |
|--|-----------------|------------|--|
| | Start | End | |
| Land Use Application System Permits NPDES Permits | 1964 | Ongoing | Work with local governments and others to increase monitoring of Land Use Application System Permits and NPDES Permits |

| Regulation/Ordinance or Management Measure | Responsible Government, Organization or Entity | Description | Enacted/ Projected Date | Status | Regulatory /Voluntary |
|--|--|--|-------------------------|---------|-----------------------|
| Agricultural BMPs | Georgia Soil and Water Conservation Service, Georgia Department of Agriculture | Leads effort in agricultural water quality program, develops agricultural BMP educational and monitoring efforts | 1987 | Current | Voluntary |

| Pollutant(s) Affected | Sources of Pollutant(s) | Impacted Waterbodies* | Anticipated or Past Effectiveness |
|-----------------------|---|----------------------------|--|
| Fecal Coliform | Pesticide management, animal facility runoff, irrigation water management | Oconee and Milligan creeks | Utilization of BMPs has been found to be effective in controlling runoff and other contaminants from farming practices |

| Measurable Milestones | Schedule | | Comments |
|--|----------|---------|--|
| | Start | End | |
| Waste Storage Structure, Conservation Tillage, Waste Storage Pond, Diversion, Fencing, Field Borders, Filter Strips, Stock Trails/Walkways, Stream/Shoreline Protection, Nutrient Management, Well Protection, Land Use Application System Permits and NPDES Permits | 1987 | Ongoing | Additional BMPs possible depending on results of future monitoring/ Work with local governments and others to increase monitoring of Land Use Application System Permits and NPDES Permits |

| Regulation/Ordinance or Management Measure | Responsible Government, Organization or Entity | Description | Enacted/ Projected Date | Status | Regulatory /Voluntary |
|--|--|---|-------------------------|---------|-----------------------|
| Nutrient Application Plan | Natural Resource Conservation Service | Leads effort in agricultural water quality by developing plans to control nutrient runoff | 2000 | Current | Voluntary |

| Pollutant(s) Affected | Sources of Pollutant(s) | Impacted Waterbodies* | Anticipated or Past Effectiveness |
|-----------------------|---|----------------------------|---|
| Fecal Coliform | Pesticide management, irrigation water management | Oconee and Milligan creeks | Effective in the initial stages of the program's beginning if plans are followed properly |

| Measurable Milestones | Schedule | | Comments |
|---|----------|---------|---|
| | Start | End | |
| Increase the number of farming establishments utilizing nutrient application plans to limit nutrient runoff | 2000 | Ongoing | Plans will continue to be effective at the local level if they continue to be implemented by more and more farming establishments |

| Regulation/Ordinance or Management Measure | Responsible Government, Organization or Entity | Description | Enacted/ Projected Date | Status | Regulatory /Voluntary |
|---|--|---|-------------------------|---------|-----------------------|
| Comprehensive Nutrient Management Plan (CNMP) | Agriculture Extension Service, Department of Natural Resources | Leads effort in agricultural water quality by developing plans to control animal waste runoff | 2001 | Current | Regulatory |

| Pollutant(s) Affected | Sources of Pollutant(s) | Impacted Waterbodies* | Anticipated or Past Effectiveness |
|-----------------------|-------------------------|----------------------------|--|
| Fecal Coliform | Animal facility runoff | Oconee and Milligan creeks | Effective in the initial stages of the program's beginning and if the plans are carried out properly |

| Measurable Milestones | Schedule | | Comments |
|--|----------|---------|---|
| | Start | End | |
| Increase the number of farming establishments implementing plans/Encourage increased compliance with plan requirements | 2001 | Ongoing | Plans will continue to be effective at the local level if they continue to be implemented by more and more farming establishments |

| Regulation/Ordinance or Management Measure | Responsible Government, Organization or Entity | Description | Enacted/ Projected Date | Status | Regulatory /Voluntary |
|---|---|---|--------------------------------|---------------|------------------------------|
| Georgia Erosion and Sedimentation Control Act (OCGA 12-7-1) | Georgia Department of Natural Resources Environmental Protection Division and Local Governments | Authorizes local governments to adopt a comprehensive ordinance governing land-disturbing activities within local planning and zoning jurisdictions and require the use of BMPs | Amended 2000 | Current | Regulatory |

| Pollutant(s) Affected | Sources of Pollutant(s) | Impacted Waterbodies* | Anticipated or Past Effectiveness |
|------------------------------|--------------------------------------|------------------------------|---|
| Fecal Coliform | Agricultural, Residential, Municipal | Oconee and Milligan creeks | Effectiveness is minimal due to a lack of local enforcement of erosion and sedimentation control measures |

| Measurable Milestones | Schedule | | Comments |
|--|-----------------|------------|--|
| | Start | End | |
| Local erosion and sedimentation control measures | 2003 | Ongoing | Work with local governments to obtain a greater enforcement of erosion and sedimentation control measures at the local level |

| Regulation/Ordinance or Management Measure | Responsible Government, Organization or Entity | Description | Enacted/ Projected Date | Status | Regulatory /Voluntary |
|--|---|--|-------------------------|---------|-----------------------|
| Local Septic Tank Permit Ordinance | Georgia Department of Human Resources and Local Governments | Authorizes the regulation of septic tanks, including placement, installation and maintenance | 1969 | Current | Regulatory |

| Pollutant(s) Affected | Sources of Pollutant(s) | Impacted Waterbodies* | Anticipated or Past Effectiveness |
|-----------------------|-------------------------|----------------------------|---|
| Fecal Coliform | Residential | Oconee and Milligan creeks | Effective at point of construction and poor at point of post-construction follow up maintenance |

| Measurable Milestones | Schedule | | Comments |
|---|----------|---------|--|
| | Start | End | |
| Continuous updating of health inspector manual to upgrade current standards | 1969 | Ongoing | Better enforcement at local level needed |

| Regulation/Ordinance or Management Measure | Responsible Government, Organization or Entity | Description | Enacted/ Projected Date | Status | Regulatory /Voluntary |
|--|---|---|-------------------------|---------|-----------------------|
| Georgia Planning Act (OCGA 12-2-8) | Georgia Department of Natural Resources and Local Governments | Authorized DCA to develop minimum planning standards and procedures that local government planning and zoning jurisdictions could adopt and enforce pertaining to the protection of river corridors, mountains, water supply watersheds, groundwater recharge areas, and wetlands | 1989 | Current | Regulatory |

| Pollutant(s) Affected | Sources of Pollutant(s) | Impacted Waterbodies* | Anticipated or Past Effectiveness |
|-----------------------|--------------------------------------|----------------------------|--|
| Fecal Coliform | Agricultural, Residential, Municipal | Oconee and Milligan creeks | Effectiveness is minimal because of lack of land use management regulations at the local level |

| Measurable Milestones | Schedule | | Comments |
|---------------------------------|----------|---------|--|
| | Start | End | |
| Land Use Management Regulations | 2003 | Ongoing | Need to work with local governments to establish land use management regulations and other regulations as appropriate/ Need to work with local governments in enforcing DNR's Part 5 Environmental Planning criteria to better protect local streams |

| Regulation/Ordinance or Management Measure | Responsible Government, Organization or Entity | Description | Enacted/ Projected Date | Status | Regulatory /Voluntary |
|--|--|--|-------------------------------------|---------|-----------------------|
| Land Use Management Regulations | Heart of Georgia Altamaha Regional Development Center, Local Governments, Georgia Department of Natural Resources, Georgia Department of Human Resources, Georgia Department of Community Affairs, Georgia Forestry Commission | Utilize state-mandated environmental planning criteria, local planning and zoning ordinances, BMPs for agriculture and forestry, and septic tank permitting to manage runoff and development, RDC will provide technical assistance in developing a model “zoning-lite” ordinance to encourage local governments to implement planning and zoning measures | Adopted on a County-by-County basis | Planned | Regulatory |

| Pollutant(s) Affected | Sources of Pollutant(s) | Impacted Waterbodies* | Anticipated or Past Effectiveness |
|-----------------------|--------------------------------------|----------------------------|---|
| Fecal Coliform | Agricultural, Residential, Municipal | Oconee and Milligan creeks | Not very effective due to lack of Land Use Regulations on county-wide level |

| Measurable Milestones | Schedule | | Comments |
|---|----------|---------|--|
| | Start | End | |
| Establishment of County-wide Land Use Regulations | 2008 | Ongoing | There is a need to work with local governments to adopt Land Use Regulations |

| Regulation/Ordinance or Management Measure | Responsible Government, Organization or Entity | Description | Enacted/ Projected Date | Status | Regulatory /Voluntary |
|--|--|---|-------------------------|---------|-----------------------|
| Cooperative Monitoring Program | Georgia Department of Natural Resources, Georgia Environmental Protection Division, Local Governments, Heart of Georgia Altamaha Regional Development Center | Seek a scientific study of issues such as natural dissolved oxygen levels in slow-moving streams, could seek funding/cooperation for watershed assessments including possible model demonstration assessments for small watersheds, develop a program for implementation assessments for the Oconee and Milligan Creeks Watershed Cluster | | Planned | Voluntary |

| Pollutant(s) Affected | Sources of Pollutant(s) | Impacted Waterbodies* | Anticipated or Past Effectiveness |
|-----------------------|--------------------------------------|----------------------------|---|
| Fecal Coliform | Agricultural, Residential, Municipal | Oconee and Milligan creeks | Anticipated effectiveness is significant because of more frequent monitoring which will produce better and more frequent data |

| Measurable Milestones | Schedule | | Comments |
|---|----------|---------|---|
| | Start | End | |
| Implementation of Adopt-A-Stream programs with various organizations for purposes of more sampling/Additional monitoring to increase the amount of data collected | 2003 | Ongoing | Utilize monitoring programs of Georgia Forestry Commission, NRCS, Adopt-A-Stream to gather updated sampling data on a more frequent basis |

| Regulation/Ordinance or Management Measure | Responsible Government, Organization or Entity | Description | Enacted/ Projected Date | Status | Regulatory /Voluntary |
|--|---|---|-------------------------|---------|-----------------------|
| Environmental Code Enforcement | Local Governments, Department of Natural Resources, Environmental Protection Division | Utilize local ordinances to ensure greater compliance with state environmental codes at the local level | 2008 | Planned | Regulatory |

| Pollutant(s) Affected | Sources of Pollutant(s) | Impacted Waterbodies* | Anticipated or Past Effectiveness |
|-----------------------|-------------------------|----------------------------|---|
| Fecal Coliform | Residential | Oconee and Milligan creeks | Limited effectiveness due to lack of enforcement at county-wide level |

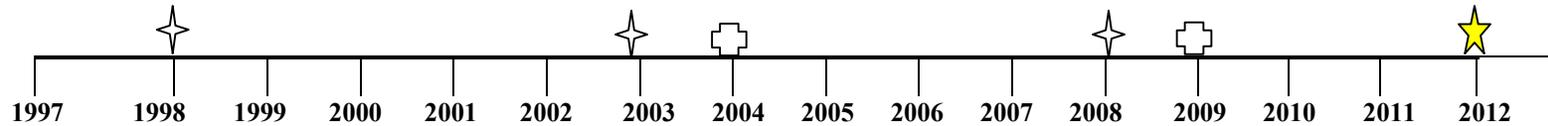
| Measurable Milestones | Schedule | | Comments |
|---|----------|---------|--|
| | Start | End | |
| Establishment of code enforcement program | 2008 | Ongoing | Greater enforcement of state standards at the local level could help to reduce the amount of man made wastes entering into local streams |

POTENTIAL FUNDING SOURCES The identification and discussion of dedicated funding is important in determining the economic feasibility of the above-mentioned management measures.

| Funding Source | Responsible Authority | Status | Anticipated Funding Amount | Impacted Waterbodies* |
|---|--|---------------|-----------------------------------|------------------------------|
| Georgia Forestry Commission | Georgia Forestry Commission | Current | Unknown | Oconee and Milligan creeks |
| Georgia Department of Natural Resources | Environmental Protection Division | Current | \$75,000.00 | Oconee and Milligan creeks |
| U.S. Environmental Protection Agency | U.S. Environmental Protection Agency | Planned | Unknown | Oconee and Milligan creeks |
| U.S. Department of Agriculture | Farm Service Agency | Planned | Unknown | Oconee and Milligan creeks |
| U.S. Department of Agriculture | Natural Resource Conservation Service | Planned | Unknown | Oconee and Milligan creeks |
| U.S. Fish and Wildlife Service | Georgia Soil and Water Conservation Service ("Partners for Wildlife" Program) | Planned | Unknown | Oconee and Milligan creeks |
| University of Georgia Extension Service | Local Cooperative Extension Service (Home*A*Syst Program) | Planned | Unknown | Oconee and Milligan creeks |
| University of Georgia Extension Service | Local Cooperative Extension Service (Farm*A*Syst Program) | Planned | Unknown | Oconee and Milligan creeks |
| State Implementation Committee | Sustainable Forestry Initiative Program | Planned | Unknown | Oconee and Milligan creeks |
| Georgia Forestry Commission | Georgia Forestry Commission (Best Management Practices Assurance Examinations) | Current | Unknown | Oconee and Milligan creeks |
| The National Fish and Wildlife Foundation | The National Fish and Wildlife Foundation (General Challenge Grant Program) | Planned | Unknown | Oconee and Milligan creeks |
| Georgia Department of Natural Resources (Wildlife Resources Division) | Georgia Department of Natural Resources (Wildlife Resources Division) "Small Game Management in Georgia" & "Beaver Management and Control in Georgia" Booklets | Current | Unknown | Oconee and Milligan creeks |

PROJECTED ATTAINMENT DATE

The projected date to attain and maintain water quality standards in this watershed is 10 years from acceptance of the TMDL Implementation Plan by EPD.



EPD Monitoring 
 Evaluate TMDL & Attainment Date 
 Project Attainment 

MONITORING PLAN

The purpose of this monitoring plan is to determine the effectiveness of the target TMDL and the management measures being implemented to meet water quality standards. List of previous, current or planned/proposed sampling activities or other surveys. (Monitoring data that placed stream on 303(d) list will be provided if requested.)

| Name Of Regulation / Ordinance Or Management Measure | Organization | Impacted Waterbodies* | Pollutants | Purpose/Description | Time Frame | | Status (Previous, Current, Proposed) |
|--|---------------------------------|----------------------------|----------------|---|------------|----------|--------------------------------------|
| | | | | | Start | End | |
| 1999 Study | United States Geological Survey | Oconee Creek | Fecal Coliform | To detect the levels of Fecal Coliform at the USGS Certified Station #02225015 (County Road 78 near Vidalia, GA) | 1/99 | 12/99 | Previous |
| 1999 Study | United States Geological Survey | Milligan Creek | Fecal Coliform | To detect the levels of Fecal Coliform at the USGS Certified Station #02224995 (County Road 1125 near Vidalia, GA) | 1/99 | 12/99 | Previous |
| Best Management Practices Monitoring | Georgia Forestry Commission | Oconee and Milligan Creeks | Fecal Coliform | Within the watershed, can conduct monthly aerial and land reconnaissance to identify recent forestry practices, conduct BMP audit, and make recommendations for remediation if problems are found | | On-going | Current |

CRITERIA TO DETERMINE WHETHER SUBSTANTIAL PROGRESS IS BEING MADE

The following set of criteria will be used to determine whether any substantial progress is being made towards reducing pollutants in impaired waterbodies and attaining water quality standards. Discussion on each criteria is recorded in the space provided. Additional relevant criteria are presented in comments.

Percent of concentration or load change (monitoring program) Install BMPs and reduce the amount of fecal coliform by 20% by 2012

If monitoring results show that it is unlikely that the TMDL will be adequate to meet water quality standards, revision of the TMDL may be necessary.

- Categorical change in classification of the stream (delisting the stream is the goal) Classification is proposed to remain fishing/ Delist from 303(d) list

- Regulatory controls or activities installed (ordinances, laws) Work with local governments and individuals to install Erosion and Sedimentation Controls, Land Use Management Regulations (Development Regulations such as stream buffers, limited impervious cover, porous pavement materials, limited clearing, grading, and disturbance); BMPs, Storm Water Management, Code Enforcement, etc. to help reduce runoff and minimize land disturbance.

- Best management practices installed (agricultural, forestry, urban) Agriculture – (Waste Storage Facilities, Conservation Tillage, Waste Storage Pond, Diversion, Fencing, Field Borders, Filter Strips, Stock Trails/Walkways)

COMMENTS

Attachments

- Appendix A – Oconee/Milligan Creeks Watershed Cluster Proposed TMDL Implementation Plan Committee Meeting Invitation List (April 30, 2003)
- Appendix B – Oconee/Milligan Creeks Watershed Cluster Proposed TMDL Implementation Plan List of Major Landowners Invited to Committee Meeting (April 30, 2003) (Toombs and Montgomery counties)
- Appendix C – Oconee/Milligan Creeks Watershed Cluster Proposed TMDL Implementation Plan Committee and Major Landowners Meeting Sign-in Sheet (April 30, 2003)
- Appendix D – Oconee/Milligan Creeks Watershed Cluster Proposed TMDL Implementation Plan Committee and Major Landowners Meeting Handout (April 30, 2003)
- Appendix E – Stakeholder Notification List for Oconee/Milligan Creeks Watershed Cluster Proposed TMDL Implementation Plan Public Meeting (May 15, 2003) (Toombs and Montgomery counties)
- Appendix F – Press Release for Public Meeting for Oconee/Milligan Creeks Watershed Cluster Proposed TMDL Implementation Plan in The Advance-Progress (May 8, 2003)
- Appendix G – Press Release for Public Meeting for Oconee/Milligan Creeks Watershed Cluster Proposed TMDL Implementation Plan in The Montgomery Monitor (May 8, 2003)
- Appendix H – Public Service Announcement concerning Oconee/Milligan Creeks Watershed Cluster Proposed TMDL Implementation Plan given to Vidalia Communications (97.7 FM/WTCQ, 101.7 FM/WYUM, 970 AM WVOP in Vidalia, GA) (May 12-15, 2003)
- Appendix I – Public Service Announcement concerning Oconee/Milligan Creeks Watershed Cluster Proposed TMDL Implementation Plan given to WLYU (100.9 FM) in Lyons, GA (May 12-15, 2003)
- Appendix J – Oconee/Milligan Creeks Watershed Cluster Proposed TMDL Implementation Plan Public Meeting Sign-in Sheet (May 15, 2003)
- Appendix K – Oconee/Milligan Creeks Watershed Cluster Proposed TMDL Implementation Plan Public Meeting Handout (May 15, 2003)
- Appendix L – Memo to Montgomery Co. Commissioners to be placed in the May 6th, 2003 Meeting Agenda Packet (April 7, 2003)
- Appendix M – Memo to City of Vidalia City Council to be placed in the May 12th, 2003 Meeting Agenda Packet (April 7, 2003)
- Appendix N – Memo to City of Uvalda City Council to be placed in the May 21st, 2003 Meeting Agenda Packet (April 9, 2003-Mailed)
- Appendix O – Memo to City of Lyons City Council to be placed in the June 3rd, 2003 Meeting Agenda Packet (May 7, 2003)
- Appendix P – Memo to Toombs Co. Commissioners to be placed in the June 10th, 2003 Meeting Agenda Packet (May 12, 2003)
- Appendix Q – Memo to City of Alston City Council to be placed in the June 10th, 2003 Meeting Agenda Packet (May 7, 2003)
- Appendix R – Memo to City of Santa Claus City Council to be placed in the June 17th, 2003 Meeting Agenda Packet (May 20, 2003-Mailed)
- Appendix S – Memo to City of Higgston City Council to be placed in the July 1st, 2003 Meeting Agenda Packet (June 12, 2003-Emailed)
- Appendix T – Memo to City of Tarrytown City Council to be placed in the July 7th, 2003 Meeting Agenda Packet (June 20, 2003-Mailed)
- Appendix U – Oconee/Milligan Creeks Watershed Cluster Proposed TMDL Implementation Plan Handout for Montgomery and Toombs County Commissioners meetings and Cities of Vidalia, Uvalda, Lyons, Alston, Santa Claus, Higgston, and Tarrytown's City Council Meetings
- Appendix V – Oconee/Milligan Creeks Watershed Cluster Proposed TMDL Implementation Plan Committee Review Memo (June 27, 2003)

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|------------------------|--|
| Prepared By: | Nicolas Overstreet |
| Agency: | Heart of Georgia Altamaha RDC |
| Address: | 331 West Parker Street |
| City: | Baxley ST: GA ZIP: 31513 |
| E-mail: | overstreet@hogardc.org |
| Date Submitted to EPD: | 8/05/2003 |

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**Environmental Protection Division of the Department of Natural Resources,
State of Georgia.**

TOGETHER WE CAN MAKE A DIFFERENCE!
