

STATE OF GEORGIA
TMDL IMPLEMENTATION PLAN
WATERSHED APPROACH

Savannah River Basin

As prepared by:



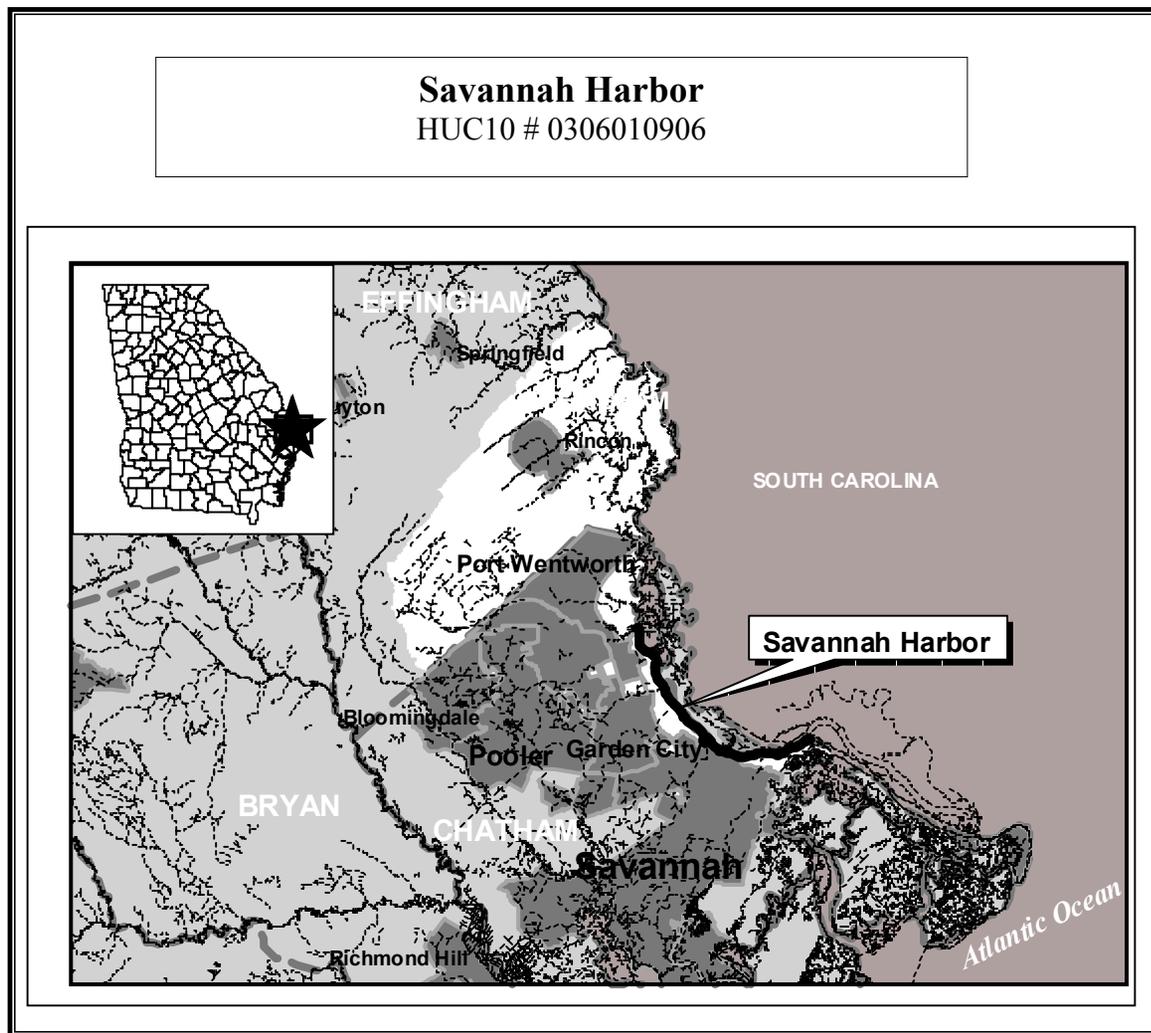
Local Watershed Governments

Coastal Georgia RDC

Cities: Savannah, Port Wentworth, Garden City,
 Bloomingdale, Pooler, Rincon
 Counties: Effingham, Chatham

The Code of Federal Regulations 40 CFR 130.33(b)(10) requires States to include an implementation plan as part of a TMDL development and submittal. **With input from appropriate stakeholder groups, a TMDL Implementation Plan has been developed for a cluster of impaired streams and the corresponding pollutants.** The impaired streams are located in the same sub-basin identified by a HUC10 code (Figure 1).

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.



Impaired Waterbody*	Impaired Stream Location	Impairment
1. Savannah Harbor	SR 25 (Old US 27) to Elba Island Cut	Fecal Coliform (FC)
2.		

*These Waterbody Numbers are referenced throughout the Implementation Plan.

Action Plan for Savannah Harbor

Savannah Harbor
HUC 10 0306010906

POLLUTANT:		WHAT CAN I DO?		
SOURCE:		EFFECT:		
		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 type="checkbox"/> Agriculture <input type="checkbox"/> Forestry <input type="checkbox"/> Residential <input checked="" type="checkbox"/> Other (Please List) Municipal Stormwater Runoff	<input type="checkbox"/> Habitat <input type="checkbox"/> Recreation <input type="checkbox"/> Drinking Water <input type="checkbox"/> Aesthetics <input checked="" type="checkbox"/> Other (Please List) Human Health Concerns	Septic System Maintenance Do not washdown kennels, dog runs and other animal confinement spaces	Compliance with NPDES permit requirements. Municipal Stormwater Wet weather discharges must meet fc target 150 counts/100 ml.

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.

Entity	Description	Impacted Waterbodies*	Target Audience	Anticipated Dates (MM/YY)
Adopt A Stream Groups	Adopt A Stream Demos	Savannah Harbor	Volunteer Citizens	01/03
DNR- Coastal Resources Division	Coastal Ark (Mobile Educational Program)	Multiple/ Savannah Harbor	Local Government Officials	Ongoing
NELO- UGA MAREX	NELO Program- Designed to educate local governments about issues, concerns and remediation of NPS pollution, including reduction of impervious surfaces and land use planning controls	Multiple/ Savannah Harbor	Local Government Officials/ Planning Officials	Ongoing
MPC/ Chatham County / Municipal Governments	BMP Educational Seminars	Savannah Harbor	Commercial Businesses and Industry	2001-2002 and 11/02
Chatham County / Municipal Governments	Industrial Inspection Program (Inspection and Education)	Savannah Harbor	Industry	2003-2004 NPDES Report Period
Chatham County / Municipal Governments	Storm Drain Marking Program	Multiple/ Savannah Harbor	Public	Ongoing w/ goal of 2000 drains by 2005
MPC/ UGA MAREX	Coastal Georgia Adopt A Wetland	Multiple/ Savannah Harbor/ Estuarine	Public / Volunteers	Fall 2001
MPC /Chatham County / Municipal Governments	Enviroscape Model- educational scale model to educate about stormwater pollution in schools and fairs, etc.	Multiple / Savannah Harbor	Public	Ongoing

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.

FIRST	LAST	ORGANIZATION	ADDRESS	CITY	STATE	ZIP	PHONE	E-MAIL
DEPARTMENT OF NATURAL RESOURCES								
Julie	Van	Department of Natural Resources - EPD	One Conservation Way	Brunswick	GA	31520	912-264-7284	julie_vann@mail.dnr.state.ga.us
Jan	Mackinnon	DNR - Coastal Management Program	One Conservation Way	Brunswick	GA	31520	912-264-7218	
Jill	Huntington	DNR - Coastal Management Program	One Conservation Way	Brunswick	GA	31520	912-262-3053	
Phil	Flournoy	DNR - Georgia Coastal Resources Division	One Conservation Way	Brunswick	GA	31520	912-264-7218	
Pete	Maye	DNR - Georgia Coastal Resources Division	One Conservation Way	Brunswick	GA	31520	912-264-7284	
AGRICULTURE								
Thomas	Joyner	GSWCC Statesboro Region VI Office	117 Savannah Avenue	Statesboro	GA	30458	912-681-5241	region6@qwins.campuscwix.net
Jackie	Ogden	Cooperative Extension Service	P.O. Box 9866	Savannah	GA	31412	912-652-7981	luge3051@uga.edu
Don	White	RC&D	502 E. Gen Stewart Way	Hinesville	GA	31313	912- 876-6485	
FORESTRY								
Willard	Fell	Georgia Forestry Commission	18899 US Hwy. 301 North	Statesboro	GA	30461	912-681-0490	wfell@qfc.state.ga.us
WATERSHED AND ENVIRONMENTAL GROUPS								
Beth	Fraser	Georgia Legal Watch	264 N. Jackson Street	Athens	GA	30601	706-546-9008	GLW@GeorgiaLegalWatch.org
Maggie	Kelly	Georgia PIRG	1447 Peachtree St. NE, #304	Atlanta	GA	30309	404-892-3573	mkpirg@juno.com
Will	Berson	The Georgia Conservancy	428 Bull Street	Savannah	GA	31401	912-447-5910	tqccoast@bellsouth.net
Jim	Darby	Coastal Group Sierra Club	P.O. Box 16728	Savannah	GA	31416	912-351-7436	jim.darby@sierraclub.org
David	Kyler	Center for a Sustainable Coast	221 B Mallory Street	St. Simons Island	GA	31522	912-638-3612	susdev@gate.net
LOCAL GOVERNMENT								
Frank	Murray	Chatham County Commission	P.O. Box 22008	Savannah	GA	31403	912-234-8833	
Joe Murray	Rivers	Chatham County Commission	P.O. Box 9450	Savannah	GA	31412	912-234-8889	
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Milton	Newton	Chatham County - Savannah MPC	P.O. Box 8246	Savannah	GA	31412	912-651-1451	
Courtney	Reich	Chatham County - Savannah MPC	P.O. Box 8246	Savannah	GA	31412	912-651-1451	
Deatre	Denion	Chatham County - Savannah MPC	P.O. Box 8246	Savannah	GA	31412	912-651-1451	
Dean	Kicklighter	Chatham County Commission	P.O. Box 8161	Savannah	GA	31412	912-964-0566	
David	Rutherford	Effingham County Administrator	P.O. Box 307	Springfield	GA	31329	912-754-2103	drutherford@effinghamcounty.org
Phillip	Claxton	City of Port Wentworth	305 S. Coastal Highway	Port Wentworth	GA	31407	912-964-4379	
City	Manager	Garden City	P.O. Box 7548	Garden City	GA	31418	912-966-7777	

Floyd	Adams	City of Savannah	P.O. Box 1027	Savannah	GA	31402	912-651-6410	
Buddy	Carter	City of Pooler	100 SW Hwy 80	Pooler	GA	31322	912-748-5717	
Walter	Parker	City of Tybee Island	P.O. Box 2749	Tybee Island	GA	31328	912-786-4573	
George	Saraf	City of Rincon	P.O. Box 1337	Rincon	GA	31326	912-826-5745	
ADOPT-A-STREAM GROUPS								
Michele	Droszcz	Georgia Adopt-A-Stream	7 MLK Drive, SW Suite 643	Atlanta	GA	30334	404-656-0099	michele_droszcz@mail.dnr.state.ga.us
Joe	Richardson	Coastal and Southeast Georgia RTC	Savannah State Univ.	Savannah	GA	31404	912-356-2809	richards@tigerpaw.ssu.peachnet.edu
OTHER								
Keith	Gates	Marine Extension Service	715 Bay Street	Brunswick	GA	31520	912-264-7268	kgates@arches.uqa.edu
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Dr. James	Reichard	Dept. of Geology - Georgia Southern University	1100 Herty Bldg.	Statesboro	GA	30460	912-681-5546	jreich@gsaix2.cc.GaSoU.EDU
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Lee	Sutton	UGA - Marine Extension Service	715 Bay Street	Brunswick	GA	31520	912-264-7268	
Bill	Bailey	U.S. Corps of Engineers	P.O. Box 889	Savannah	GA	31402	912-652-5968	
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Chris	Stovall	Thomas and Hutton Engineering Co.	50 Park of Commerce Way	Savannah	GA	31405	912-234-5300	stovall.c@thomas-hutton.com
Mike	Demell	Environmental Services, Inc.	204 West St. Julian St.	Savannah	GA	31401	912-236-4711	mdemell@esinc.cc
Representative Jack	Kingston	First Congressional District, Georgia	805 Gloucester St. #304	Brunswick	GA	31520	912-265-9010	shiela.wood@mail.house.gov
District 9-3:	Coastal	Georgia Department of Public Health	1609 Newcastle Street	Brunswick	GA	31520	912-264-3907	gdphinfo@dhr.state.ga.us
Teresa	Concannon	Coastal Georgia RDC- Statesboro Office	P.O. Box 2636	Statesboro	GA	30459	912-681-0926	cardc@bulloch.net
Brittany	Robinson	International Paper						Brittany_Robinson@ipaper.com
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Walter	Weitman	Savannah Foods						walter_weitman@savfoods.com
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T.	Dolan	Kerr- McGee						tdolan@kmg.com
Rick	Hamilton	Weyerhaeuser Company	P.O. Box 668	Savannah	GA	31402	912-966-4372	rhamilton@wii.com

		Technical Committee Member						
		Regional Advisory Committee Member						
		Existing Savannah Harbor Stakeholder Member						
11/15/2002								

Savannah Harbor HUC 10 0306010906

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)
Savannah Harbor	SR 25 (old US 17) to Elba Island Cut	4	Fishing	PS
Primary County	Secondary County	Second RDC	Source (Point/ Nonpoint)	
Chatham			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-Nov)	41%		February 2000

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	Urban Runoff Municipal Facilities NPDES Permit Holders		Savannah Harbor

*The monitoring period for this TMDL was in 1997. Thus, the pollutant sources reflected in the TMDL may no longer be the sources of any continuing fecal coliform problems due to modifications to the area wide Stormwater Management Program.

** The TMDL states, “Based on the results of the Harbor Model, the fecal coliform standards will be met in the Savannah River Harbor Area, if the NPDES permit discharges met their fecal coliform limits (200 counts per 100 ml) and the municipal stormwater wet weather discharges maintain the fecal coliform target 150 counts per 100 ml (as expressed as a 30 day geometric mean) in the receiving canals and tributaries”.

Since the finalization of the TMDL the NPDES permit discharges have been in compliance with their permits and wet weather discharges have been met. Impaired canals have also been delisted. (Pipemakers Canal)

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.

***EPD has requested an action plan addressing four modifications to the area wide Stormwater Management Program. These modifications were first submitted to Chatham County and the municipalities as an attachment to draft NPDES permits dated February 25, 2000. The current NPDES permits for municipal stormwater discharges were issued on the condition that Chatham County and the municipalities adopt the modifications. The document detailing the official response by Chatham County and the municipalities to address the required modifications is hereto attached and entitled “Action Plan for the Proposed Modifications to the Area Wide Storm Water Management Programs”. See Attachments.**

Regulation/Ordinance or Management Measure	Responsible Government, Organization or Entity	Description	Enacted/ Projected Date	Status	Regulatory/ Voluntary
Increase the focus and implementation of SWMP activities within the drainage basins of waters listed on the active 303(d) list.	Chatham County and Municipalities	Chatham County has mapped threatened water ways, if further testing confirms continued impairment the county will prepare and maintain an inventory of impaired segments between 01/2004 and 06/2004 followed by a Plan of Action detailing how Chatham County intends to reduce levels of listed parameters.	8/30/2002	Ongoing/ Current	Regulatory as part of action plan addressing modifications to Stormwater Management Program

Pollutant(s) Affected	Sources of Pollutant(s)	Impacted Waterbodies*	Anticipated or Past Effectiveness
Fecal Coliform (Others)	Urban Runoff; Municipal Facility	Savannah Harbor	Highly Effective

Measurable Milestones	Schedule		Comments
	Start	End	
Detection and Elimination of Impairments	8/30/2002	6/2005	See Attachment

Regulation/Ordinance or Management Measure	Responsible Government, Organization or Entity	Description	Enacted/ Projected Date	Status	Regulatory/ Voluntary
Enhanced education and enforcement efforts addressing highly visible pollutant sources and illicit discharges	Chatham County	BMP educational seminars for commercial businesses and industry & Industrial Inspection Program as described in Action Plan for Stormwater Management	2001	Ongoing / Current	Regulatory and Voluntary

Pollutant(s) Affected	Sources of Pollutant(s)	Impacted Waterbodies*	Anticipated or Past Effectiveness
Fecal Coliform (Others)	Commercial & Industrial, Illicit Discharges	Savannah Harbor	Effective

Measurable Milestones	Schedule		Comments
	Start	End	
Reduction in number of illicit discharges and visible pollutant sources.	2001	2005	See Attachment

Regulation/Ordinance or Management Measure	Responsible Government, Organization or Entity	Description	Enacted/ Projected Date	Status	Regulatory/ Voluntary
Increased Public Education Efforts	MPC/ Chatham County	Countywide Storm Drain Marking Program, Coastal Georgia Adopt-A-Wetland Program, Enviro scape Model	2001	Ongoing/ Current	Voluntary

Pollutant(s) Affected	Sources of Pollutant(s)	Impacted Waterbodies*	Anticipated or Past Effectiveness
Fecal Coliform (Others)	Stormwater, Urban Runoff, Residential Runoff	Multiple/ Savannah Harbor	Effective

Measurable Milestones	Schedule		Comments
	Start	End	
2000 drains marked by 2005	2001	2005	Runs concurrently with NPDES permit period. See Attachment

Regulation/Ordinance or Management Measure	Responsible Government, Organization or Entity	Description	Enacted/ Projected Date	Status	Regulatory/ Voluntary
Increase industrial storm water control efforts, pollution prevention and good housekeeping activities including industrial operations.	Chatham County and Municipalities	Development Review Coordination; Inspection Program for Municipal Sites & BMP Education Seminars for Commercial Businesses and Industry	12/2002	Ongoing / Current	Regulatory / Voluntary

Pollutant(s) Affected	Sources of Pollutant(s)	Impacted Waterbodies*	Anticipated or Past Effectiveness
Fecal Coliform (Others)	Stormwater, Runoff, Urban, Municipal	Multiple/ Savannah Harbor	Highly Effective

Measurable Milestones	Schedule		Comments
	Start	End	
All development plans will receive proper review for stormwater control, pollution prevention and good housekeeping activities. Municipal and county sites will be inspected beginning in 2003.	2001	2005	See Attachment

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

Coastal Waters

- U.S. Department of Commerce*
 - Coastal Services Center Cooperative Agreements (NOAA)
 - Coastal Zone Management Administration/Implementation Awards (NOAA)
 - National Sea Grant College Program (NOAA)
- U.S. Department of the Interior*
 - Coastal Program (FWS)
- U.S. Environmental Protection Agency*
 - National Estuary Program (NEP)

Economic Development

- U.S. Department of Agriculture*
 - Water and Waste Disposal Systems for Rural Communities (RUS)
- U.S. Department of Commerce*
 - Public Works and Development Facilities Program (EDA)
- U.S. Department of Housing and Urban Development*
 - Community Development Block Grant Program (CPD)

Education and Research

- Corporation for National Service*
 - Learn and Serve America Program
- U.S. Department of Agriculture*
 - Sustainable Agriculture Research and Education (CSREES)
 - Water Quality Special Research Grants Program (CSREES)
- U.S. Environmental Protection Agency*
 - Environmental Education Grants Program (OEE)
 - Science to Achieve Results (ORD)

Environmental Justice

- U.S. Environmental Protection Agency*
 - Environmental Justice Grants to Small Community Groups (OEJ)
 - Environmental Justice Through Pollution Prevention Grants Program (OEJ)

Monitoring

- U.S. Environmental Protection Agency*
 - Environmental Monitoring for Public Access and Community Tracking (OEI)

Pollution Prevention and Control

- Small Business Administration*

Pollution Control Loans

U.S. Department of the Interior

Clean Vessel Act Grant Program (FWS)

U.S. Environmental Protection Agency

Chemical Emergency Preparedness and Prevention Technical Assistance Grants (CEPPO)

Pesticide Environmental Stewardship Grants (OPPTS)

Pollution Prevention Incentives for States (OPPTS)

Water and Septic System

Georgia Environmental Facilities Authority

Georgia Fund

Environmental Emergency Loans

Construction Loans

State Revolving Loan Fund

Watershed and Drinking Water Source Protection

U.S. Department of Agriculture

Watershed Protection and Flood Prevention Program (NRCS)

U.S. Department of Transportation

Transportation Equity Act for the 21st Century Funding Programs (FHWA)

U.S. Department of the Interior

Land and Water Conservation Fund Grants to States (NPS)

U.S. Environmental Protection Agency

Capitalization Grants for Clean Water State Revolving Fund (OWM)

Capitalization Grants for Drinking Water State Revolving Fund (OGWDW)

Great Lakes Program (GLNPO)

Nonpoint Source Implementation Grants (319 Program) (OWOW)

Water Quality Cooperative Agreements (OWM)

Watershed Assistance Grants (OWOW)

Wetlands

U.S. Department of Agriculture

Wetlands Reserve Program (NRCS)

U.S. Department of the Interior

Coastal Wetlands Planning, Protection, and Restoration Act Program (FWS)

National Coastal Wetlands Conservation Grant Program (FWS)

North American Wetlands Conservation Act Grants Program (FWS)

U.S. Environmental Protection Agency

Five-Star Restoration Program (OWOW)
Wetlands Program Development Grants (OWOW)

Wildlife

National Fish and Wildlife Foundation

Bring Back the Natives Grant Program

U.S. Department of Agriculture

Wildlife Habitat Incentives Program (NRCS)

U.S. Department of Commerce

Community-Based Restoration Program (NOAA)

Fisheries Development and Utilization Research and Development Grants and Cooperative Agreements Program (NOAA)

U.S. Department of the Interior

Partners for Fish and Wildlife Program (FWS)

Wildlife Conservation and Appreciation Program (FWS)

Other

Georgia Department of Natural Resources

Coastal Zone Management Program (CZM- CRD)

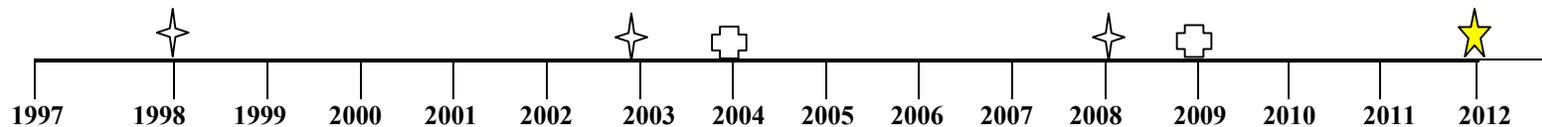
Coastal Incentive Grants

Southeast Rural Community Assistance Project

Loan Fund for Water, Wastewater, Housing & Economic Development

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	
NPDES Permit Monitoring Requirements	City of Savannah	Savannah Harbor	Fecal Coliform	Ongoing monitoring of fecal coliform as required by NPDES permits for municipal wastewater and stormwater permitting compliance.	Ongoing		Current
*NPDES Permit Monitoring Requirements	Chatham County and Municipalities	Tributaries, Canals	Fecal Coliform	Ongoing monitoring of fecal and other constituents as part of NPDES requirements for Stormwater Discharges	Ongoing		Current

***See Attachments & NPDES PERMIT for STORMWATER DISCHARGES 2001-2002 ANNUAL REPORT** (As submitted to Department of Natural Resources, Environmental Protection Division, Non-Point Source Program) by the Chatham County- Savannah Metropolitan Planning Commission)

OTHER MONITORING EFFORTS:

Coastal Resources Division continually collects Water Quality data for the projects listed here:

Beach Monitoring

For over 4 years, Georgia has been implementing a beach-monitoring program for swimmer safety. Eleven stations on the coast are monitored weekly for fecal coliform (FC) bacteria. FC bacteria are an excellent indicator of harmful pathogens in surface waters caused by fecal contamination. Tybee Island, Sea Island, St. Simons Island and Jekyll Island are sampled due to their high concentration of recreational users.

Shellfish Harvest

For over 20 years, Coastal Resources Division has been monitoring the water quality of Georgia's coastal waters for the safe recreational and commercial harvest of shellfish (oysters & clams). The Shellfish Sanitation Program is funded by the state of Georgia and consists of water quality monitoring, permitting shellfish harvesters, sanitary surveys, and report writing. Coastal Resources Division administers this program under the guidance of the United States Food and Drug Administration's (FDA) National Shellfish Sanitation Program (NSSP) standards. The National Shellfish Sanitation Program's (NSSP) Manual of Operations (Part 1, Section C-3,a) requires that states show that shellfish harvest areas are "not subject to contamination from human and/or animal fecal matter in amounts that in the judgment of the SSCA [State Shellfish Control Authority] may present an actual or potential hazard to public health." In Georgia, the SSCA are jointly the Department of Natural Resources and the Department of Agriculture. Standards of the NSSP further require the state to regularly collect water samples from each approved harvest area and to perform certain analytical procedures to ensure that the area is below the established fecal coliform threshold. Currently, CRD is monitoring 67 stations for fecal coliform bacteria on the coast concentrated around harvest areas. Chatham, Liberty, McIntosh, Glynn, and Camden counties all have water quality sites in the adjacent water bodies designed to monitor and classify waters for potential shellfish harvest. These stations are monitored once each month at random tide stages.

GEORGIA ENVIRONMENTAL PROTECTION DIVISION:

Monitors nine Trend Monitoring Stations in the Lower Savannah River Basin.

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) Current monitoring information reflects 40% reduction has been acquired since 1997 monitoring period as indicated in TMDL.

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) Stream should be nominated as candidate for delisting based upon currently available data.

- Regulatory controls or activities installed (ordinances, laws) NPDES Permits for Stormwater Discharge and Permits for Wastewater Facilities and Stormwater Management Program reflect a wide array of programs implemented. See Attached and Stormwater Discharge Annual Report.

- Best management practices installed (agricultural, forestry, urban) See Attached and Stormwater Discharge Annual Report

COMMENTS

Problems as monitored in 1997 are said to no longer exist due to NPDES permitting requirements, Area Wide Storm Water Management Program and other efforts on behalf of Chatham County, Municipalities and Metropolitan Planning Commission. See Attachments.

Courtney Reich, MPC Water Resources Planner and NPDES Program Coordinator has full details. Contact at (912) 651-1454, P.O. Box 8246, Savannah, GA 31412.

Savannah Harbor
HUC 10 0306010906

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Date Submitted to EPD: November 15, 2002

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

TOGETHER WE CAN MAKE A DIFFERENCE!

Department Use Only:

Implementation Plan	Impaired Waterbodies			
	1	2	3	4
Action Plan				
Education/Outreach Activities				
Stakeholders				
Pollutant Sources Identified				
Description of Management Measures				
Measurable Milestones and Schedule				
Potential Funding Sources				
Monitoring Plan				
Criteria To Determine Whether Substantial Progress Is Being Made				
Supporting Documents				