

**03050208-01**  
**(Black Creek)**

**General Description**

Watershed 03050208-01 (formerly 03050208-060) is located in Allendale and Hampton Counties and consists primarily of **Black Creek** and its tributaries. The watershed occupies 40,363 acres of the Lower Coastal Plain region of South Carolina. Land use/land cover in the watershed includes 37.3% forested land, 30.6% agricultural land, 23.2% forested wetland, 7.2% urban land, 0.8% water, 0.8% nonforested wetland, and 0.1% barren land. A map depicting this watershed is found in Appendix C, page C-22.

Black Creek accepts drainage from Filly Branch, Hurricane Branch, and Trowells Mill Branch before flowing through Lake George Warren (Brier Creek) and into the Coosawhatchie River. There are a total of 199.7 stream miles and 291.3 acres of lake waters in this watershed, all classified FW.

**Surface Water Quality**

<u>Station #</u>	<u>Type</u>	<u>Class</u>	<u>Description</u>
CSTL-075	INT	FW	LAKE WARREN, BLACK CREEK ARM, AT S-25-41, 5MI SW OF HAMPTON
RL-03331	RL03	FW	LAKE WARREN, 0.2MI W OF SPILLWAY NE CORNER OF LAKE
CL-062	W	FW	LAKE WARREN IN FOREBAY NEAR DAM

**Lake George Warren** - There are three SCDHEC monitoring stations along Lake Warren and recreational uses are fully supported at all sites. This is a blackwater system, characterized by naturally low pH and dissolved oxygen conditions. Although pH and dissolved oxygen excursions occurred at all sites, they were typical of values seen in blackwater systems and were considered natural, not standards violations. At the uplake site (**CSTL-075**), aquatic life uses are not supported due to occurrences of zinc in excess of the aquatic life chronic criterion. At the midlake site (**RL-03331**), aquatic life uses are not supported due to total phosphorus concentration, total nitrogen concentration, and chlorophyll excursions, and occurrences of zinc in excess of the aquatic life chronic criterion. At the downlake site (**CL-062**), aquatic life uses are not supported due to occurrences of zinc in excess of the aquatic life chronic criterion. There is a significant decreasing trend in pH at this site.

**Nonpoint Source Management Program**

**Land Disposal Activities**

**Land Application Sites**

	<i>LAND APPLICATION SYSTEM</i>	<i>FACILITY NAME</i>	<i>ND#</i>	<i>TYPE</i>
TOW	SPRAYFIELD N OF ESTILL		ND0069701	DOMES TIC

**Landfill Facilities**

	<i>LANDFILL NAME</i>	<i>FACILITY TYPE</i>	<i>PERMIT #</i>	<i>STATUS</i>
HAMPTO DOMESTIC	N COUNTY LANDFILL	INACTIVE	251001-1101	

HAMPTO N COUNTY SANITARY LANDFILL -----  
DOMESTIC INACTIVE

HAMPTO N COUNTY SANITARY LANDFILL -----  
DOMESTIC INACTIVE

HAMPTO N COUNTY LANDFILL #3 -----  
DOMESTIC INACTIVE

HAMPTON COUNTY C&D & LCD LANDFILL 251001-1201  
C & D ACTIVE

HAMPTON COUNTY COMPOSTING FACILITY 251001-3001  
COMPOSTING ACTIVE

### ***Mining Activities***

***MINING COMPANY***  
***MINE NAME***

***PERMIT #***  
***MINERAL***

J.R. WILSON CONSTRUCTION COMPANY  
J.R. WILSON CONSTRUCTION SAND,

1028-49  
SAND/CLAY

### **Growth Potential**

There is a low potential for growth in this watershed, which contains the Towns of Luray and Estill. Slight growth is projected associated with the Federal Correctional Institution. Allendale County has adopted a zoning ordinance that includes River and Streamside Management Areas, restricting development within 100 feet of a river and 50 feet from perennial streams, which flow directly into the river.

# Black Creek/Coosawhatchie River Watersheds

(03050208-01,-02)

