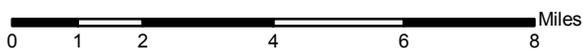
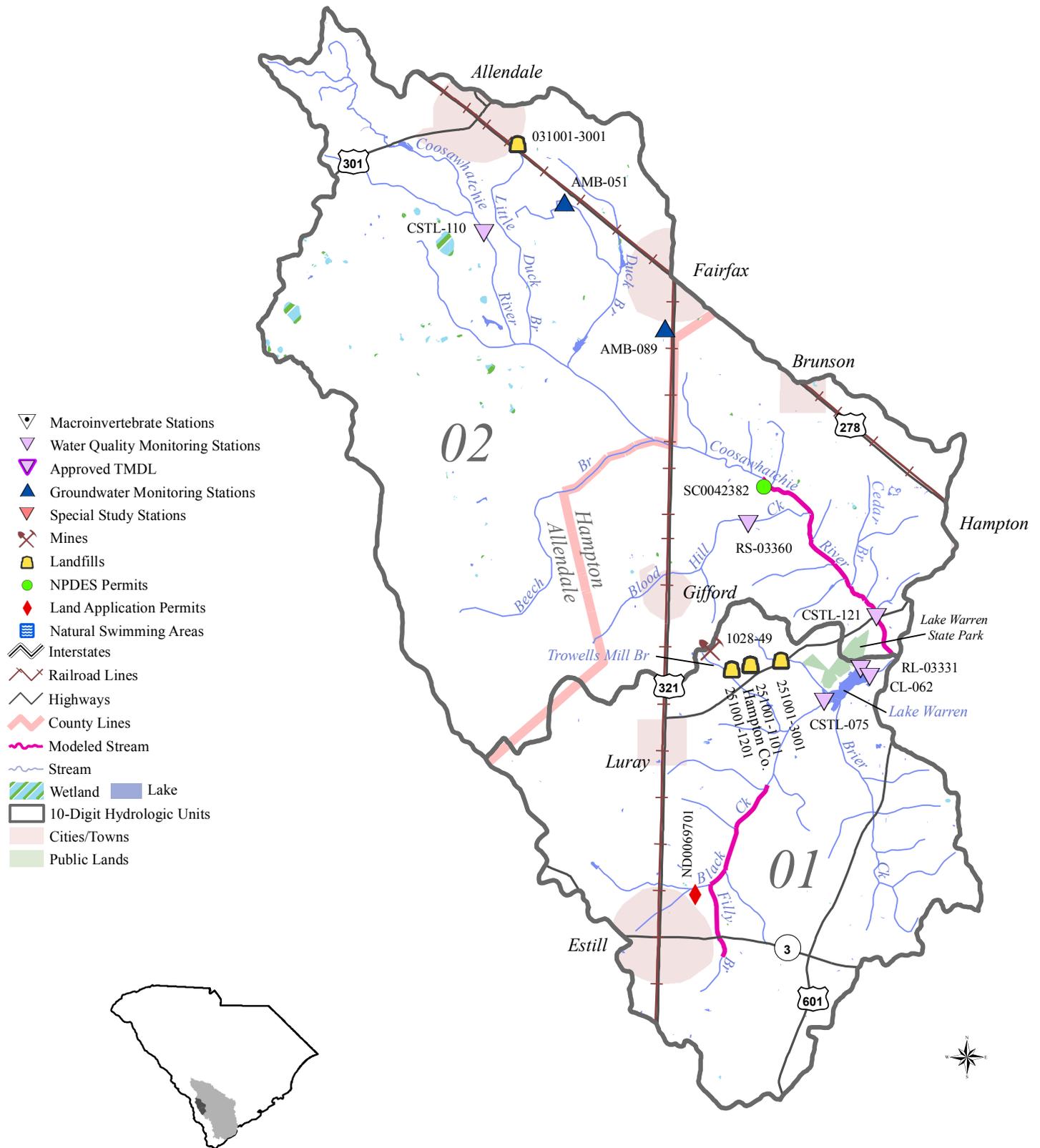


# Black Creek/Coosawhatchie River Watersheds

(03050208-01,-02)



**03050208-02**  
**(Coosawhatchie River)**

**General Description**

Watershed 03050208-02 (formerly 03050208-050) is located in Allendale and Hampton Counties and consists primarily of the upper **Coosawhatchie River** and its tributaries from its origin to Black Creek. The watershed occupies 80,614 acres of the Lower Coastal Plain region of South Carolina. Land use/land cover in the watershed includes: 42.2% forested land, 26.6% forested wetland, 23.7% agricultural land, 6.1% urban land, 0.9% nonforested wetland, 0.4% water, and 0.1% barren land. A map depicting this watershed is found in Appendix C, page C-22.

The Coosawhatchie River originates near the Towns of Allendale and Fairfax and accepts drainage from Swallow Savanna, Harters Pond, Little Duck Branch, Duck Branch, Beech Branch (Levy Bay), Blood Hill Creek, and Cedar Branch. There are a total of 203.0 stream miles and 163.3 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-110	W	FW	COOSAWHATCHIE RIVER AT S-03-47
RS-03360	RS03	FW	BLOOD HILL CREEK AT S-25-69, 2.4MI NE OF GIFFORD
CSTL-121	INT	FW	COOSAWHATCHIE RIVER AT SC 363

**Coosawhatchie River** – There are two SCDHEC monitoring stations along this portion of the Coosawhatchie River. At the upstream site (**CSTL-110**), aquatic life uses are partially supported due to dissolved oxygen excursions; which are compounded by a significant decreasing trend in dissolved oxygen concentration. Significant decreasing trends in turbidity, total phosphorus concentration, and total nitrogen concentration suggest improving conditions for these parameters. Recreational uses are partially supported due to fecal coliform bacteria excursions. At the downstream site (**CSTL-121**), aquatic life uses are not supported due to dissolved oxygen excursions and occurrences of zinc in excess of the aquatic life chronic criterion. This is a blackwater system, characterized by naturally low pH conditions. Although pH excursions occurred, they were typical of values seen in blackwater systems and were considered natural, not standards violations. Recreational uses are partially supported due to fecal coliform bacteria excursions.

**Blood Hill Creek (RS-03360)** – Aquatic life and recreational uses are fully supported. This is a blackwater system, characterized by naturally low pH conditions. Although pH excursions occurred, they were typical of values seen in blackwater systems and were considered natural, not standards violations.

**Groundwater Quality**

<u>Well #</u>	<u>Class</u>	<u>Aquifer</u>	<u>Location</u>
AMB-051	GB	PEE DEE/BLACK CREEK	ALLENDALE
AMB-089	GB	TERTIARY LIMESTONE	FAIRFAX

All water samples collected from ambient monitoring wells *AMB-051* and *AMB-089* met standards for Class GB groundwater.

### **NPDES Program**

#### ***Active NPDES Facilities***

*RECEIVING STREAM*  
*FACILITY NAME*

*NPDES#*  
*TYPE*

COOSAWHATCHIE RIVER  
TOWN OF BRUNSON

SC0042382  
MINOR DOMESTIC

### **Nonpoint Source Management Program**

#### ***Land Disposal Activities***

##### **Landfill Facilities**

*LANDFILL NAME*  
*FACILITY TYPE*

*PERMIT #*  
*STATUS*

TOWN OF ALLENDALE COMPOSTING 031001-3001  
COMPOSTING

ACTIVE

### **Growth Potential**

There is a low potential for growth in this watershed, which contains the portions of the Towns of Allendale, Fairfax, and Brunson, and the Town of McColl. Half of Allendale County's population lives in the Towns of Allendale and Fairfax. US 278 runs between the towns and is projected to support increased commercial growth. There is no indication of industrial growth, but Allendale and Fairfax are the only towns in the county with sewer systems and a rail line to support industry. 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.