

## 03050112-010

(*Santee River*)

### General Description

Watershed 03050112-010 is located in Clarendon, Williamsburg, and Berkeley Counties and consists primarily of the *Santee River* and its tributaries downstream of Lake Marion to Crawl Creek (Rediversion canal). The watershed occupies 120,847 acres of the Upper and Lower Coastal Plain regions of South Carolina. The predominant soil types consist of an association of the Chastain-Tawcaw-Lynchburg-Emporia series. The erodibility of the soil (K) averages 0.24 and the slope of the terrain averages 2%, with a range of 0-6%. Land use/land cover in the watershed includes: 45.4% forested land, 28.8% forested wetland, 14.5% agricultural land, 10.2% scrub/shrub land, 0.7% water, and 0.4% barren land.

This segment of the Santee River flows out of the Santee Dam of Lake Marion and incorporates the drainage of the Little River, the Dead River, Highland Creek (Hicks Branch, Meetinghouse Branch, Bennetts Branch), Doctors Branch (Torkiln Branch, Mill Branch), Mt. Hope Swamp (Hagan Branch, Long Branch, Junkyard Bay, Guise Bay, Little Junkyard Bay, Cypress Bay), Campbell Branch, Walnut Branch, and Johns Run. There are a total of 188.0 stream miles and 444.6 acres of lake waters in this watershed, all classified FW. The oxbow lakes include Couturier Lake, Cordes Lake, Solomon Lake, Little Solomon Lake, Wood Lake, and Maham Lake.

### Surface Water Quality

<u>Station #</u>	<u>Type</u>	<u>Class</u>	<u>Description</u>
SC-024	SC	FW	SANTEE RIVER AT WILSONS LANDING BELOW SPILLWAY DAM
ST-537	BIO	FW	DOCTOR BRANCH AT SR 48
ST-536	BIO	FW	BENNETTS BRANCH AT SR 351
ST-016	P/INT	FW	SANTEE RIVER AT US 52, 6.5 MI NNW OF ST. STEPHENS

*Santee River* – There is one SCPSA monitoring site and one SCDHEC site along this section of the Santee River. At the upstream site (*SC-024*), aquatic life and recreational uses are fully supported. At the downstream site (*ST-016*), aquatic life uses are fully supported; however, there is a significant increasing trend in turbidity. Significant decreasing trends in five-day biochemical oxygen demand and total nitrogen concentration suggest improving conditions for these parameters. There is a significant increasing trend in pH. Recreational uses are fully supported at this site and a significant decreasing trend in fecal coliform bacteria concentration suggests improving conditions for this parameter.

*Doctor Branch (ST-537)* – Aquatic life uses are partially supported based on macroinvertebrate community data.

*Bennetts Branch (ST-536)* – Aquatic life uses are partially supported based on macroinvertebrate community data.

*A fish consumption advisory has been issued by the Department for mercury and includes the Santee River within this watershed (see advisory p.39).*

## **NPDES Program**

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

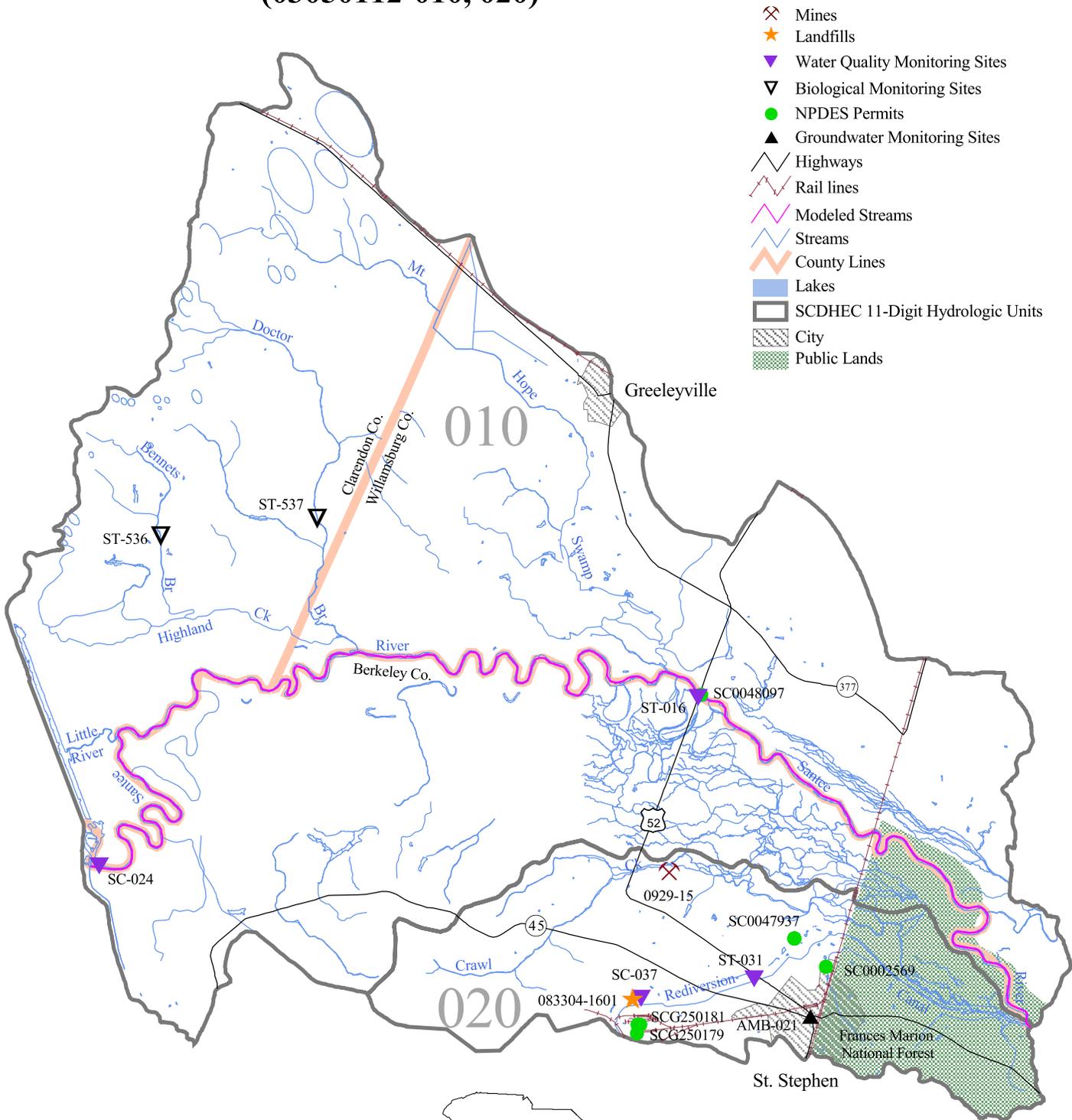
<b><i>RECEIVING STREAM</i></b>	<b><i>NPDES#</i></b>
<b><i>FACILITY NAME</i></b>	<b><i>TYPE</i></b>
<b><i>PERMITTED FLOW @ PIPE (MGD)</i></b>	<b><i>COMMENT</i></b>
SANTEE RIVER	SC0048097
WILLIAMSBURG CO. W&SA/SANTEE RIVER WWTP	MINOR DOMESTIC
PIPE #: 001 FLOW: 0.50	

## **Growth Potential**

There is a low potential for growth projected in this watershed, which contains a portion of the Town of Greeleyville and is occupied largely by the Santee National Wildlife Refuge.

# Santee River and Rediversion Canal Watersheds

(03050112-010, 020)



- Mines
- Landfills
- Water Quality Monitoring Sites
- Biological Monitoring Sites
- NPDES Permits
- Groundwater Monitoring Sites
- Highways
- Rail lines
- Modeled Streams
- Streams
- County Lines
- Lakes
- SCDHEC 11-Digit Hydrologic Units
- City
- Public Lands

