

03050112-030

(*Santee River*)

General Description

Watershed 03050112-030 is located in Williamsburg, Berkeley, and Georgetown Counties and consists primarily of the *Santee River* and its tributaries from the Rediversion Canal to Wadmacon Creek. The watershed occupies 137,119 acres of the Lower Coastal Plain and Coastal Zone regions of South Carolina. The predominant soil types consist of an association of the Chastain-Bladen-Wahee-Tawcaw-Hobcaw series. The erodibility of the soil (K) averages 0.17 and the slope of the terrain averages 1%, with a range of 0-2%. Land use/land cover in the watershed includes: 63.2% forested land, 24.4% forested wetland, 5.3% scrub/shrub land, 5.3% agricultural land, 1.0% water, 0.4% nonforested wetland, 0.3% barren land, and 0.1% urban land.

This lowest segment of the Santee River accepts the upstream river drainage together with Wedboo Creek (Meeting House Branch, Beauford Branch), Savanna Creek, Byno Creek, Wittee Lake (June Branch), Wittee Branch (Mill Creek), and Ferry Lake. Further downstream, Dutart Creek, Echaw Creek (Bark Island Slough, Beaman Branch, Bay Branch, Pole Branch, June Pond), and Put-on Branch (Buck Branch) enter the river. Hell Hole Bay extends across the watershed near the headwaters of Dutart and Savanna Creeks. Velvet Branch and Red Bluff Creek flow into the river at the base of the watershed. There are a total of 180.9 stream miles and 148.7 acres of lake waters in this watershed, all classified FW. Additional natural resources include the Francis Marion National Forest, the Hell Hole Bay Wilderness Area, and the Guilliard Lake Scenic Area.

Surface Water Quality

<u>Station #</u>	<u>Type</u>	<u>Class</u>	<u>Description</u>
ST-001	P/INT	FW	SANTEE RIVER AT SC 41/US 17A NE OF JAMESTOWN
RS-02467	RS02	FW	ECHAW CREEK AT PITCH LANDING, FRANCIS MARION NATIONAL FOREST

Santee River (ST-001) – Aquatic life uses are fully supported. Significant decreasing trends in five-day biochemical oxygen demand, total phosphorus concentration, and total nitrogen concentration, and a significant increasing trend in dissolved oxygen concentration suggest improving conditions for these parameters. There is a significant increasing trend in pH. Recreational uses are fully supported and a significant decreasing trend in fecal coliform bacteria concentration suggests improving conditions for this parameter.

Echaw Creek (RS-02467) – Aquatic life uses are fully supported. This is a blackwater system, characterized by naturally low dissolved oxygen conditions. Although dissolved oxygen excursions occurred, they were typical of values seen in blackwater systems and were considered natural, not standards violations. Recreational uses are not supported due to fecal coliform bacteria excursions. *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

RECEIVING STREAM

FACILITY NAME

PERMITTED FLOW @ PIPE (MGD)

NPDES#

TYPE

COMMENT

SANTEE RIVER
TOWN OF ST STEPHEN
PIPE #: 001 FLOW: 0.9

SC0025259
MINOR DOMESTIC

SANTEE RIVER
CHARGEURS WOOL (USA), INC.
PIPE #: 001 FLOW: M/R

SC0000990
MAJOR INDUSTRIAL

DUTART CREEK
MARTIN MARIETTA/GEORGETOWN II (SOUTHERN AGGR.)
PIPE #: 001 FLOW: 10.8

SCG730059
MINOR INDUSTRIAL

Nonpoint Source Management Program

Mining Activities

MINING COMPANY

MINE NAME

PERMIT #

MINERAL

MARTIN MARIETTA MATERIALS, INC.
GEORGETOWN II QUARRY

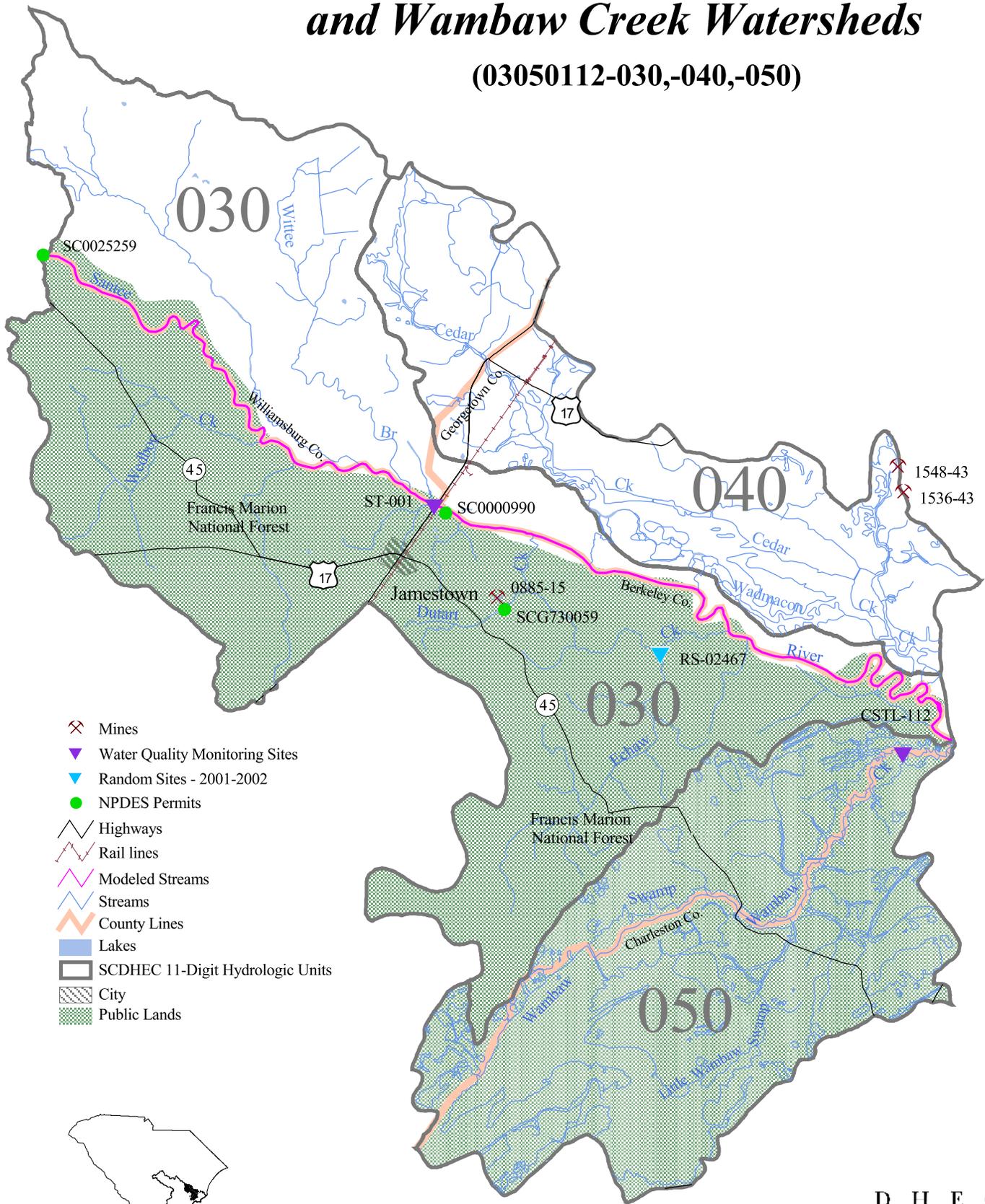
0885-15
LIMESTONE

Growth Potential

There is a low potential for growth in this watershed, which contains the Town of Jamestown and the communities of Alvin, Honey Hill, and Shulerville. Jamestown provides water, but there is no sewer service. The majority of the watershed extends over wetland (bays and swamps) areas.

Santee River, Wadmacon Creek, and Wambaw Creek Watersheds

(03050112-030,-040,-050)



- Mines
- Water Quality Monitoring Sites
- Random Sites - 2001-2002
- NPDES Permits
- Highways
- Rail lines
- Modeled Streams
- Streams
- County Lines
- Lakes
- SCDHEC 11-Digit Hydrologic Units
- City
- Public Lands

