

03050111-030

(Jacks Creek)

General Description

Watershed 03050111-030 is located in Clarendon County and consists primarily of *Jacks Creek* and its tributaries. The watershed occupies 24,269 acres of the Upper Coastal Plain region of South Carolina. The predominant soil types consist of an association of the Faceville-Marlboro-Noboco-Bonneau-Cantey series. The erodibility of the soil (K) averages 0.15 and the slope of the terrain averages 5%, with a range of 0-10%. Land use/land cover in the watershed includes: 47.5% agricultural land, 36.5% forested land, 11.5% scrub/shrub land, 1.9% forested wetland, 1.3% water, 1.2% barren land, and 0.1% nonforested wetland.

Jacks Creek accepts drainage from Belser Creek (Chapel Creek), Sullivans Branch, and Big Branch (Spring Branch) before flowing into Lake Marion. There are a total of 43.3 stream miles and 426.1 acres of lake waters in this watershed, all classified FW. The Santee National Wildlife Refuge is an additional natural resource in the watershed.

Surface Water Quality

<u>Station #</u>	<u>Type</u>	<u>Class</u>	<u>Description</u>
CW-243/SC-047	W/INT/SC	FW	BIG BRANCH AT S-14-41
CW-244/SC-013	W/INT/SC	FW	JACKS CREEK AT S-14-76

Big Branch (CW-243/SC-047) – Aquatic life uses are not supported due to dissolved oxygen excursions. 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. A significant decreasing trend in turbidity suggests improving conditions for this parameter. Recreational uses are not supported due to fecal coliform bacteria excursions.

Jacks Creek (CW-244/SC-013) - 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. Significant decreasing trends in five-day biochemical oxygen demand and turbidity suggest improving conditions for these parameters. Recreational uses are fully supported.

A fish consumption advisory has been issued by the Department for mercury and includes portions of Lake Marion within this watershed (see advisory p.39).

Nonpoint Source Management Program

Mining Activities

MINING COMPANY
MINE NAME

PERMIT #
MINERAL

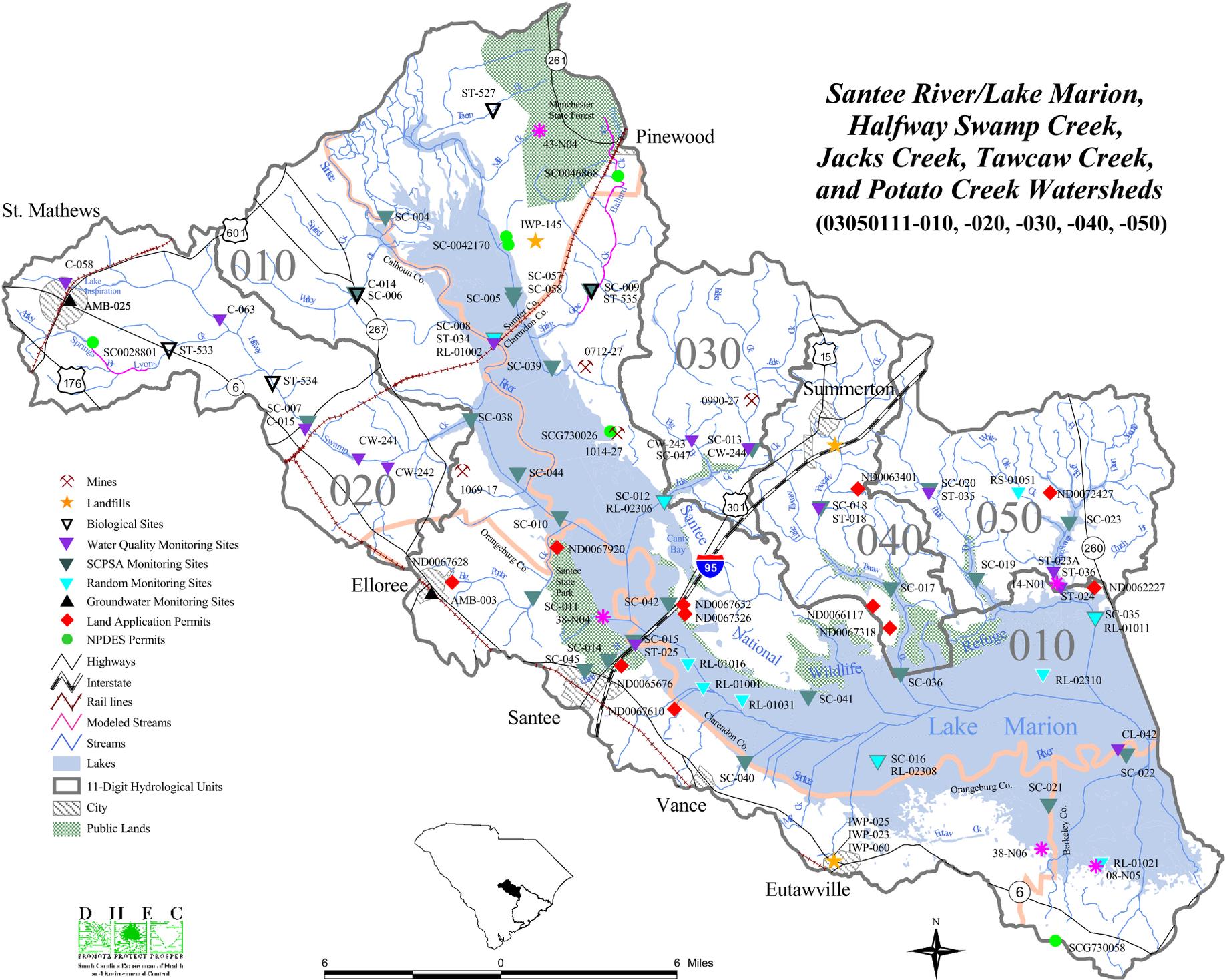
STUKES MINING
STUKES MINE

0990-27
SAND/CLAY

Growth Potential

There is a low potential for growth in this watershed. There is a small portion of lakeshore, but the lack of water or sewer services in the area will limit significant growth.

*Santee River/Lake Marion,
Halfway Swamp Creek,
Jacks Creek, Tawcaw Creek,
and Potato Creek Watersheds
(03050111-010, -020, -030, -040, -050)*



- ✂ Mines
- ★ Landfills
- ▽ Biological Sites
- ▽ Water Quality Monitoring Sites
- ▽ SCPSA Monitoring Sites
- ▽ Random Monitoring Sites
- ▲ Groundwater Monitoring Sites
- ◆ Land Application Permits
- NPDES Permits
- Highways
- Interstate
- Rail lines
- Modeled Streams
- Streams
- Lakes
- 11-Digit Hydrological Units
- City
- Public Lands

