

03040204-04
(Buck Swamp)

General Description

Watershed 03040204-04 is located in Marlboro, Dillon, and Marion Counties and consists primarily of **Buck Swamp** and its tributaries. The watershed occupies 97,521 acres of the Upper and Lower Coastal Plain regions of South Carolina. Land use/land cover in the watershed includes: 38.3% agricultural land, 32.3% forested wetland, 21.6% forested land, 5.9% urban land, 1.7% nonforested wetland, and 0.2% water.

Reedy Creek (Indigo Bay, Eli Branch, Old Mill Creek, Betsy Jackson Bay) and Little Reedy Creek (Hilson Bay) join to form the headwaters of Buck Swamp near the Town of Latta. Downstream of the confluence, Mill Creek enters the system followed by The Gully and Maidendown Swamp (Piney Bay, Maidendown Bay). The Buck Swamp Watershed drains into the Little Pee Dee River. There are a total of 201.4 stream miles and 47.0 acres of lake waters. Buck Swamp and Maidendown Swamp are classified FW* (dissolved oxygen not less than 4.0 mg/l and pH between 5.0 and 8.5) and the remaining streams in the watershed are classified FW.

Surface Water Quality

<u>Station #</u>	<u>Type</u>	<u>Class</u>	<u>Description</u>
PD-031	W	FW*	BUCK SWAMP AT S-17-33
RS-07047	RS07	FW*	BUCK SWAMP AT SC 41A, 5.75MI NNW OF MULLINS
PD-349	INT	FW*	BUCK SWAMP AT S-17-42

Buck Swamp – There are three SCDHEC monitoring sites along Buck Swamp. This is a blackwater system, characterized by naturally low dissolved oxygen conditions. Although dissolved oxygen excursions occurred at the upstream sites, they were typical of values seen in blackwater systems and were considered natural, not standards violations. At the upstream sites (**PD-031, RS-07047**), aquatic life and recreational uses are fully supported. At the downstream site (**PD-349**), aquatic life uses are not supported due to dissolved oxygen excursions. In addition, there is a significant increasing trend in turbidity. There is a significant decreasing trend in pH. Recreational uses are fully supported.

NPDES Program

Active NPDES Facilities

<i>RECEIVING STREAM FACILITY NAME</i>	<i>NPDES# TYPE</i>
BUCK SWAMP TOWN OF LATTA WWTP	SC0025402 MAJOR DOMESTIC

Nonpoint Source Management Program

Mining Activities

<i>MINING COMPANY MINE NAME</i>	<i>PERMIT # MINERAL</i>
DILLON COUNTY JUDGE ROAD BORROW PIT	1698-33 SAND/CLAY

Groundwater Quantity

Portions of this watershed fall within the Pee Dee Capacity Use Area and large groundwater uses must be reported (see Capacity Use Program p.22).

Growth Potential

There is a low potential for growth in this watershed, which contains the Towns of Latta and Zion, and a portion of the City of Mullins. Commercial development is confined to the two municipalities and the interchange of I-95 and S.C. Hwy 34. Public water service exists in and around Latta and Mullins and the rural area north of Mullins. Public sewer is more limited, and includes only the municipal limits of Latta and Mullins and their very immediate surroundings. No major expansion of water or sewer coverage is anticipated. The proposed Preferred Alternative route of I-73 (Northern Corridor and Southern Corridor) would cross this watershed and could bring some growth to the area, especially around interchanges.

Little Pee Dee River, Bridge Creek, Shoe Heel Creek, and Buck Swamp Watersheds (03040204-01, -02, -03, -04, -05)

