

03040204-01

(*Little Pee Dee River*)

General Description

The South Carolina portion of 03040204-01 (formerly 03040204-010) is located in Marlboro, Dillon, and Marion Counties and consists primarily of the *Little Pee Dee River* and its tributaries from its origin to Leith Creek. The watershed occupies 49,491 acres of the Upper Coastal Plain region of South Carolina. Land use/land cover in the watershed includes: 18.4% forested land, 23.5% forested wetland, 0.3% nonforested wetland, 8.6% urban land, 1.3% scrub/shrub land, 0.6% water, 47.3% agricultural land.

This upper reach of the Little Pee Dee River accepts drainage from several tributaries that originate in North Carolina. Beaverdam Creek flows through McNairs Millpond and accepts drainage from Parker Branch, Marsnip Branch, McLaurins Millpond, and Panther Creek (Bear Creek) before merging with Gum Swamp to form Red Bluff Lake and the headwaters of the Little Pee Dee River. Reedy Branch enters the river next before converging with the Bridge Creek Watershed. There are a total of 84.0 stream miles and 186.4 acres of lake waters, all classified FW.

Surface Water Quality

<u>Station #</u>	<u>Type</u>	<u>Class</u>	<u>Description</u>
PD-306	S/W	FW	PANTHER CREEK AT US 15 OUTSIDE OF MCCOLL
PD-016	S/W	FW	PANTHER CREEK AT S-35-27
PD-017A	S/W	FW	MCLAURINS MILL POND SC 381
PD-062	S/W	FW	GUM SWAMP
PD-365	W/INT	FW	LITTLE PEE DEE RIVER AT S-17-36

Panther Creek – There are two SCDHEC monitoring sites along Panther Creek. This is a blackwater system, characterized by naturally low pH and dissolved oxygen conditions. Although pH and dissolved oxygen excursions occurred at both sites, they were typical of values seen in blackwater systems and were considered natural, not standards violations. At the upstream site (**PD-306**), aquatic life and recreational uses are fully supported. Significant increasing trends in dissolved oxygen concentration and decreasing trends in five-day biological oxygen demand and turbidity suggest improving conditions for these parameters. At the downstream site (**PD-016**), aquatic life and recreational uses are also fully supported. A significant increasing trend in dissolved oxygen concentration and a decreasing trend in five-day biological oxygen demand suggests improving conditions for these parameters.

McLaurins Mill Pond (PD-017A) - This is a blackwater system, characterized by naturally low pH and dissolved oxygen conditions. Although pH and dissolved oxygen excursions occurred, they were typical of values seen in blackwater systems and were considered natural, not standards violations. Aquatic life and recreational uses are fully supported. There is a significant increasing trend in pH. Significant increasing trends in dissolved oxygen concentration and decreasing trends in five-day biological oxygen demand and fecal coliform bacteria concentration suggest improving conditions for these parameters.

Gum Swamp (PD-062) - 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. Aquatic life and recreational uses are fully supported.

Little Pee Dee River (PD-365) – This is a blackwater system, characterized by naturally low pH and dissolved oxygen conditions. Aquatic life uses are not supported due to pH excursions. There is a significant decreasing trend in pH. Significant decreasing trends in five-day biological oxygen demand and total phosphorus concentration 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 the Little Pee Dee River within this watershed (see advisory p.130).

NPDES Program

Active NPDES Facilities

<i>RECEIVING STREAM FACILITY NAME PERMITTED FLOW @ PIPE (MGD)</i>	<i>NPDES# TYPE COMMENT</i>
GUM SWAMP TOWN OF MCCOLL/WWTF PIPE #: 001 FLOW: 0.400	SC0041963 MINOR DOMESTIC

Nonpoint Source Management Program

Land Disposal Activities

Landfill Facilities

<i>LANDFILL NAME FACILITY TYPE</i>	<i>PERMIT # STATUS</i>
ARROWHEAD COMPOSTING FACILITY COMPOSTING	352680-3001 INACTIVE

Growth Potential

There is a low potential for growth in this watershed, which contains the Town of McColl. The Town of McColl has water and sewer service in and immediately surrounding the town, which could encourage some growth.