

03040201-10
(Great Pee Dee River)

General Description

Watershed 03040201-10 is located in Dillon, Marion, and Florence Counties and consists primarily of the *Great Pee Dee River* and its tributaries from Black Creek to Jeffries Creek. The watershed occupies 84,377 acres of the Upper and Lower Coastal Plain regions of South Carolina. Land use/land cover in the watershed includes: 50.1% forested wetland, 30.6% forested land, 10.7% agricultural land, 2.9% urban land, 3.3% nonforested wetland, 2.1% water, and 0.3% barren land.

This segment of the Great Pee Dee River accepts drainage from its upper reaches together with Brownsville Swamp, Schoolhouse Branch (Alford Branch, Back Swamp), Mill Creek, Tobys Creek (Pocosin Swamp, Gum Swamp, Cud Swamp, Ellerbe Bay, Agnay Swamp), Muddy Gut (Buckley Creek), and Bachelor Creek. The Pee Dee River flows through the Great Pee Dee River Swamp throughout the watershed. There are a total of 122.4 stream miles and 113.8 acres of lake waters in this watershed, all classified FW.

Surface Water Quality

<u>Station #</u>	<u>Type</u>	<u>Class</u>	<u>Description</u>
RS-09329	RS09	FW	POCCOSIN SWAMP TRIBUTARY
PD-337	INT	FW	GREAT PEE DEE RIVER AT US 301/76

Pocosin Swamp Tributary (RS-09329) – Aquatic life and recreational uses are fully supported. 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.

Great Pee Dee River (PD-337) - Aquatic life uses are fully supported; however, there is a significant decreasing trend in dissolved oxygen concentration. There is a significant decreasing trend in pH. 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. A significant decreasing trend in total phosphorus concentration suggests improving conditions for this parameter. Recreational uses are fully supported; however, there is a significant increasing trend in fecal coliform bacteria.

A fish consumption advisory has been issued by the Department for mercury and includes the Great Pee Dee River within this watershed (see advisory p.144).

NPDES Program

Active NPDES Facilities

*RECEIVING STREAM
FACILITY NAME*

*NPDES#
TYPE*

GREAT PEE DEE RIVER
CITY OF FLORENCE/MAIN PLANT

SC0045462
MAJOR DOMESTIC

GREAT PEE DEE RIVER
GSW&SA/CITY OF MARION WWTP

SC0046230
MAJOR DOMESTIC

GREAT PEE DEE RIVER
ROCKTENN CP LLC

SC0000876
MAJOR INDUSTRIAL

TOBYS CREEK
MARION CERAMICS, INC./PEE DEE CERAMICS MINE

SCG730219
MINOR INDUSTRIAL

Municipal Separate Storm Sewer Systems (MS4)

***RECEIVING STREAM
MUNICIPALITY
RESPONSIBLE PARTY
IMPLEMENTING PARTY***

***NPDES#
MS4 PHASE
MS4 SIZE***

GREAT PEE DEE RIVER
UNINCORPORATED AREAS
FLORENCE COUNTY
FLORENCE COUNTY

SCR034102
PHASE II
SMALL MS4

Nonpoint Source Management Program

Land Disposal Activities

Landfill Facilities

***LANDFILL NAME
FACILITY TYPE***

***PERMIT #
STATUS***

SMURFIT STONE CONTAINER CORP.
INDUSTRIAL

213310-1601
ACTIVE

SMURFIT STONE CONTAINER CORP.
INDUSTRIAL

213310-1602
INACTIVE

EI DUPONT
INDUSTRIAL

INACTIVE

FLORENCE COUNTY C&D LANDFILL
C&D

211001-1201
ACTIVE

Mining Activities

***MINING COMPANY
MINE NAME***

***PERMIT #
MINERAL***

MARION CERAMICS INC.
PEE DEE CERAMICS MINE

0050-67
CLAY

CAROLINA SAND INC.
GRESHAM MINE – NECK SAND #2

0899-67
SAND

FLORENCE COUNTY
FLORENCE COUNTY MINE

1779-41
SAND; SAND/CLAY

Groundwater Quantity

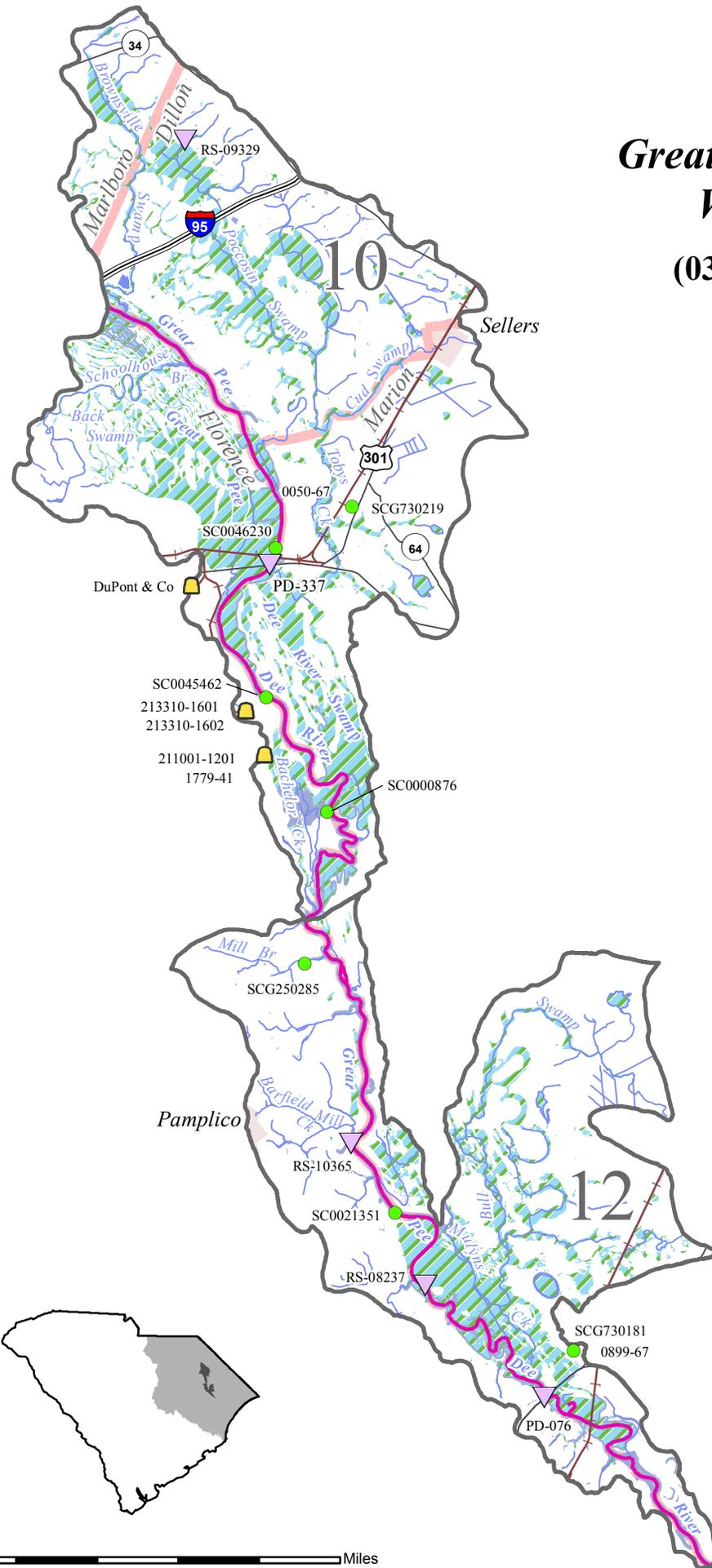
Portions of this watershed fall within the Pee Dee Capacity Use Area and large groundwater uses must be reported (see Capacity Use Program p.22).

Growth Potential

There is a low potential for growth in this watershed, which contains the Town of Sellers and the community of Pee Dee. U.S.Hwy 76 and U.S. Hwy 301, a four-laned corridor to the Grand Strand, cross the watershed at Pee Dee and run from the City of Florence to the City of Marion and on to Myrtle Beach. Marion has an interconnection with the City of Mullins, which may increase growth along the U.S. 76 corridor between Marion and Mullins. There is rural water service available from the Marion County Rural Water Company to approximately 30% of the watershed. The only sewer service is limited to the Town of Sellers, which is not capable of extending service unless the system is improved.

Great Pee Dee River Watersheds

(03040201-10, -12)



- Macroinvertebrate Stations
- Water Quality Monitoring Stations
- Approved TMDL
- Surface Water Intakes
- Shellfish Monitoring Stations
- Mines
- Landfills
- NPDES Permits
- Land Application Permits
- Natural Swimming Areas
- Interstates
- Railroad Lines
- Highways
- Modeled Stream
- Stream
- Lake
- Wetland
- 10-Digit Hydrologic Units
- Cities/Towns
- Public Lands

