

03060110-01
(Great Swamp)

General Description

Watershed 03060110-01 (formerly 03050208-120, and a portion of 03050208-130) is located in Jasper County and consists primarily of **Great Swamp** and its tributaries. The watershed occupies 82,019 acres of the Lower Coastal Plain and Coastal Zone regions of South Carolina. Land use/land cover in the watershed includes: 58.2% forested land, 28.3% forested wetland (swamp), 8.3% agricultural land, 3.6% urban land, 1.0% nonforested wetland (marsh), 0.3% water, and 0.3% barren land. A map depicting this watershed is found in Appendix C, page C-42.

Great Swamp accepts drainage from Calpen Bay (Pine Savannah Branch, Gillison Branch), Poli Bay, Broad Water (Wagon Branch), Darn Swamp, Green Swamp, and Bagshaw Swamp (Sand Branch, Buck Bay). Further downstream, Great Swamp accepts drainage from Kato Bay, Shingle Swamp, Causeway Swamp (Hog Crawl Swamp, Fivemile Swamp, Halfmoon Bay, Sixmile Swamp, Sevenmile Swamp, Bahama Swamp), and Thomas Swamp before draining into the New River. There are a total of 212.7 stream miles, 32.5 acres of lake waters, and 6.7 acres of estuarine waters in this watershed, all classified SA.

Surface Water Quality

<u>Station #</u>	<u>Type</u>	<u>Class</u>	<u>Description</u>
MD-129	INT	SA	GREAT SWAMP AT US 17

Great Swamp (MD-129) – Aquatic life uses are not supported due to occurrences of zinc in excess of the aquatic life chronic criterion. In addition, there are significant increasing trends in five-day biochemical oxygen demand and total phosphorus concentration. This is a blackwater system, characterized by naturally low pH and dissolved oxygen concentrations. Although pH and dissolved oxygen excursions occurred, they were typical of values seen in blackwater systems and were considered natural, not standards violations. Recreational uses are partially supported due to fecal coliform bacteria excursions.

NPDES Program

Active NPDES Facilities

<i>RECEIVING STREAM FACILITY NAME</i>	<i>NPDES# TYPE</i>
GREAT SWAMP TRIBUTARY	SC0047279
BJW&SA/CHERRY POINTE-OKATIE WRF	MAJOR DOMESTIC

Nonpoint Source Management Program

Land Disposal Activities

Landfill Facilities

<i>LANDFILL NAME</i>	<i>FACILITY TYPE</i>	<i>PERMIT #</i>	<i>STATUS</i>
JASPER COUNTY LANDFILL	DOMESTIC	-----	INACTIVE
JASPER COUNTY C/C LANDFILL	DOMESTIC	271001-1201	INACTIVE
JASPER COUNTY C/C LANDFILL	DOMESTIC	-----	INACTIVE
JASPER COUNTY INERT DISPOSAL SITE	INERT	-----	INACTIVE
JASPER COUNTY LCD&YT LANDFILL	C&D	271001-1701	ACTIVE
JASPER COUNTY LANDFILL #2	DOMESTIC	-----	INACTIVE

Land Application Sites

<i>LAND APPLICATION SYSTEM</i>	<i>FACILITY NAME</i>	<i>ND#</i>	<i>TYPE</i>
SPRAYFIELD	TOWN OF RIDGELAND WWTP	ND0067971	DOMESTIC
SPRAY SITES	BJW&SA/CHERRY POINT-OKATIE WRF	ND0074004	DOMESTIC

Mining Activities

<i>MINING COMPANY</i>	<i>MINE NAME</i>	<i>PERMIT #</i>	<i>MINERAL</i>
SOUTHERN AGGREGATES CO., INC.	DEERFIELD MINE	0016-53	SAND

Growth Potential

There is a high potential for residential growth in this watershed, which contains the western edge of the Town of Ridgeland. I-95 crosses the Town of Ridgeland and may provide some growth to the area. Beaufort-Jasper Water and Sewer Authority (BJWSA) has expanded its regional treatment facility, which was built to address the needs of Del Webb's Sun City and Hilton Head. The Town of Ridgeland has also expanded its municipal treatment facility to accommodate planned growth.

Great Swamp Watershed

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