

03060106-07
(Lower Three Runs)

General Description

Watershed 03060106-07 (formerly 03060106-130) is located in Barnwell and Allendale Counties and consists primarily of **Lower Three Runs** and its tributaries. The watershed occupies 110,863 acres of the Sand Hills, Upper Coastal Plain, and Lower Coastal Plain physiographic regions. Land use/land cover in the watershed includes: 63.7% forested land, 15.5% forested wetland (swamp), 15.3% agricultural land, 2.4% water, 2.1% urban land, and 0.8% nonforested wetland (marsh). A map depicting this watershed is found in Appendix C, page C-35.

Pond A, Pond B, and Pond C form one arm of Par Pond, and Pond 2, Pond 4, and Pond 5 form another arm. Downstream of Par Pond, Lower Three Runs accepts drainage from Gantts Mill Creek (Patterson Branch), Big Branch, Bodiford Mill Creek, Spring Branch, Miller Creek (Bentley Branch, Fiddle Pond Creek), Davis Branch, Furse Mill Creek (Browns Pond, Furse Creek, Furse Pond, Johnson Pond, Terry Pond), The Big Bay (Lake Echee), and Smith Lake Creek before draining into the Savannah River. There are a total of 187.3 stream miles and 2,927.5 acres of lake waters within this watershed, all classified FW. This watershed resides within the federally owned Savannah River Plant.

Surface Water Quality

<u>Station #</u>	<u>Type</u>	<u>Class</u>	<u>Description</u>
SV-328	W	FW	LOWER THREE RUNS AT S-0620, 7.5MI SW BARNWELL
SV-175	INT	FW	LOWER THREE RUNS AT SC 125, 11MI NW ALLENDALE

Lower Three Runs - There are two SCDHEC monitoring stations along Lower Three Runs. At the upstream site (**SV-328**), aquatic life and recreational uses are fully supported; however, there are significant increasing trends in five-day biochemical oxygen demand and fecal coliform bacteria concentration. There is a significant increasing trend in pH. At the downstream site (**SV-175**), aquatic life uses are not supported due to occurrences of copper in excess of the aquatic life chronic criterion. Recreational uses are fully supported.

Natural Swimming Areas

<i>FACILITY NAME</i>	<i>PERMIT #</i>
<i>RECEIVING STREAM</i>	<i>STATUS</i>
FURSE POND	03-N01
FURSE MILL CREEK	ACTIVE

Nonpoint Source Management Program

Land Disposal Activities

Land Application Sites

LAND APPLICATION SYSTEM
FACILITY NAME

ND#
TYPE

SPRAYFIELDS
SC ADVANCED TECHNOLOGY PARK WWTP

ND0080985
DOMESTIC

Landfill Activities

SOLID WASTE LANDFILL NAME
FACILITY TYPE

PERMIT #
STATUS

ALLIED GENERAL NUCLEAR SERVICES
INDUSTRIAL

INACTIVE

Growth Potential

There is a low to moderate potential for growth in this watershed, which contains portions of the Towns of Snelling and Kline, and the Savannah River Site. The Savannah River Site extends across the upper portion of the watershed. The Savannah River Site employs 25,000 people from nearby counties and is responsible for the overall growth in proximity to the site. There has been a small increase in residential growth in the non-SRS area of the watershed as a result of SRS activities. Allendale County has adopted a zoning ordinance that includes River and Streamside Management Areas that restrict development within 100 feet of a river and 50 feet from perennial streams, which flow directly into the river.

Lower Three Runs/ Savannah River Watersheds

(03060106-07, -09)

