

03060106-04
(Hollow Creek)

General Description

Watershed 03060106-04 (formerly 03060106-070) is located in Aiken County and consists primarily of **Hollow Creek** and its tributaries. The watershed occupies 71,340 acres of the Sand Hills and Upper Coastal Plain region of South Carolina. Land use/land cover in the watershed includes: 47.8% forested land, 20.8% agricultural land, 19.0% forested wetland (swamp), 10.0% urban land, 1.1% nonforested wetland (marsh), 0.8% water, and 0.5% barren land. A map depicting this watershed is found in Appendix C, page C-33.

Hollow Creek originates in the City of Aiken and accepts drainage from Anderson Millpond, Dry Branch, Town Creek (Craig Pond, Gem Lake, Wilson Pond, Richardsons Lake, Herndon Pond, Johnsons Lake, McElmurray Pond, Lake Florence, Long Branch), Kathwood Lakes, and Bear Island Creek (Neal Creek, Musterfield Branch, Curry Branch). Hollow Creek drains into the Savannah River. There are a total of 190.2 stream miles and 600.2 acres of lake waters within this watershed, all classified FW.

Surface Water Quality

<u>Station #</u>	<u>Type</u>	<u>Class</u>	<u>Description</u>
SV-350	INT	FW	HOLLOW CREEK AT S-02-5

Hollow Creek (SV-350) - Aquatic life and recreational uses are fully supported; however, there is a significant increasing trend in five-day biochemical oxygen demand. 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. A significant decreasing trend in turbidity suggests improving conditions for this parameter.

Natural Swimming Areas

<i>FACILITY NAME</i>	<i>PERMIT #</i>
<i>RECEIVING STREAM</i>	<i>STATUS</i>
RICHARDSONS LAKE	02-N01
RICHARDSONS LAKE	ACTIVE
GEM LAKE	02-N11
GEM LAKE	ACTIVE

NPDES Program

Active NPDES Facilities

<i>RECEIVING STREAM FACILITY NAME</i>	<i>NPDES# TYPE</i>
HOLLOW CREEK TRIBUTARY GODARD & MCGAHEE ENTERPRISES/HAMILTON MINE	SCG731002 MINOR INDUSTRIAL
DRY BRANCH TRIBUTARY HIBBITS DIRT PIT MINE	SCG730516 MINOR INDUSTRIAL

Municipal Separate Storm Sewer Systems (MS4)

<i>RECEIVING STREAM MUNICIPALITY RESPONSIBLE PARTY IMPLEMENTING PARTY</i>	<i>NPDES# MS4 PHASE MS4 SIZE</i>
HOLLOW CREEK CITY OF AIKEN CITY OF AIKEN CITY OF AIKEN	SCR030301 PHASE II SMALL MS4
HOLLOW CREEK UNINCORPORATED AREAS AIKEN COUNTY AIKEN COUNTY	SCR030302 PHASE II SMALL MS4

Nonpoint Source Management Program

Land Disposal Activities

Land Application Sites

<i>LAND APPLICATION SYSTEM FACILITY NAME</i>	<i>ND# TYPE</i>
LOW PRESSURE ABSORPTION FIELD SILVER BLUFF HIGH	ND0014010 DOMESTIC

Landfill Facilities

<i>LANDFILL NAME FACILITY TYPE</i>	<i>PERMIT # STATUS</i>
JACK WOOD LC&D LANDFILL C & D	022719-1701 ACTIVE
GL WILLIAMS LC&D LANDFILL C & D	022481-1701 ACTIVE
JOHN SWEARINGEN LC&D LANDFILL C&D	022743-1701 ACTIVE
GARY MILLER LC&D LANDFILL C&D	022725-1701 ACTIVE

Mining Activities

<i>MINING COMPANY MINE NAME</i>	<i>PERMIT # MINERAL</i>
DIXIE CLAY CO. RANDALL MINE	0074-03 KAOLIN
KENTUCKY-TENN CLAY COMPANY EUBANKS MINE	0874-03 KAOLIN
HIBBITTS LAND EXCAVATION INC. WOODFIELD ROAD MINE	1719-03 SAND
HIBBITTS LAND EXCAVATION INC. HIBBITTS DIRT PIT MINE	1518-03 SAND

Growth Potential

There is a low to moderate potential for growth in this watershed, which contains portions of the Towns of New Ellenton and Jackson, and a portion of the City of Aiken. The City of Aiken is experiencing growth in a southwesterly direction toward the Savannah River Site. Growth is predominately residential; numerous subdivisions are being developed. Commercial centers are also being constructed in conjunction with the population growth and residential development. Aiken has the permit for expansion of Aiken County's Horse Creek Treatment Plant to handle potential growth.

SC 19 (towards New Ellenton and SRS) and SC 302 (towards Augusta and SRS) are the major commercial corridors serving the residential communities. Growth is expected to continue south and southwest instead of in previously established areas. Industrial growth is expected to occur along SC 19 to New Ellenton and west towards North Augusta, along the Horse Creek drainage. North Aiken has also experienced recent growth (along the US 1 corridor) and is expected to continue that trend.

Watershed Protection and Restoration Strategies

Total Maximum Daily Loads (TMDLs)

A TMDL was developed by SCDHEC and approved by EPA for **Hollow Creek** water quality monitoring site SV-350. TMDLs determine the maximum amount of fecal coliform bacteria water bodies can receive from pollution sources and still meet water quality standards. Hollow Creek has two minor wastewater treatment facilities that are permitted for land application. A small part of the Hollow Creek watershed is located within a designated MS4. The primary sources of fecal coliform to the stream were identified as failing septic systems, grazing livestock, especially those with access to streams, and runoff from built-up areas. The TMDL states that a 39% reduction in fecal coliform loading from these sources is necessary for the stream to meet the recreational use standard.

Hollow Creek Watershed

(03060106-04)

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

