

## 03050109-07

(*Ninety Six Creek*)

### General Description

Watershed 03050109-07 (formerly 03050109-140) is located in Greenwood County and consists primarily of *Ninety Six Creek* and its tributaries. The watershed occupies 91,972 acres of the Piedmont region of South Carolina. Land use/land cover in the watershed includes: 55.6% forested land, 24.5% agricultural land, 15.9% urban land, 2.8% forested wetland (swamp), 0.6% water, and 0.6% barren land.

Six Mile Creek and Conally Branch drain into the headwaters of Ninety Six Creek. Henley Creek accepts drainage from Ropers Creek, Marion Creek (Marion Branch), and Tolbert Branch before draining into Ninety Six Creek near the Town of Ninety Six. Kate Fowler Branch enters Ninety Six Creek next followed by Wilson Creek. Rocky Creek (Turner Branch, Sample Branch) flows into Coronaca Creek near the Town of Coronaca, which in turn flows into Wilson Creek (Stockman Branch, Brightmans Creek) near the City of Greenwood. There are a total of 283.4 stream miles and 508.3 acres of lake waters in this watershed.

### Surface Water Quality

<u>Station #</u>	<u>Type</u>	<u>Class</u>	<u>Description</u>
RS-03346	RS03/BIO	FW	ROCKY CREEK AT SC 72 BY-PASS AND SC 254 IN GREENWOOD
S-092	W	FW	CORONACA CREEK AT S-24-100, 4 MI NW OF NINETY SIX
S-233	W	FW	WILSON CREEK AT S-24-101
S-235	W/BIO	FW	WILSON CREEK AT S-24-124
S-856	BIO	FW	NINETY SIX CREEK AT SR 42
S-093	INT	FW	NINETY SIX CREEK AT SC 702, 5.2 MILES ESE OF NINETY SIX

***Rocky Creek (RS-03346)*** – Aquatic life uses are partially supported based on macroinvertebrate community data. Recreational uses are not supported due to fecal coliform bacteria excursions.

***Coronaca Creek (S-092)*** – Aquatic life uses are fully supported; however, there are significant increasing trends in five-day biochemical oxygen demand and turbidity, and significant decreasing trends in dissolved oxygen concentration. There is a significant decreasing trend in pH. Recreational uses are partially supported due to fecal coliform bacteria excursions.

***Wilson Creek*** – There are two SCDHEC monitoring stations along Wilson Creek. At the upstream site (***S-233***), aquatic life uses are fully supported and a significant decreasing trend in turbidity suggests improving conditions for this parameter. Recreational uses are not supported due to fecal coliform bacteria excursions. At the downstream site (***S-235***), aquatic life uses are partially supported based on macroinvertebrate community data. In addition, there is a significant increasing trend in five-day biochemical oxygen demand. Recreational uses are partially supported due to fecal coliform bacteria excursions.

***Ninety Six Creek*** – There are two SCDHEC monitoring stations along Ninety Six Creek. At the upstream site (***S-856***), aquatic life uses are partially supported based on macroinvertebrate community data. At the downstream site (***S-093***), aquatic life uses are not supported due to occurrences of copper in excess of the aquatic life chronic criterion. In addition, there are significant decreasing trends in dissolved oxygen concentration and increasing trends in five-day biochemical oxygen demand, total phosphorus concentration, and total nitrogen concentration. There is a significant increasing trend in pH. Recreational uses are partially supported due to fecal coliform bacteria excursions.

**NPDES Permitted Activities**

***Active NPDES Facilities***

<b><i>RECEIVING STREAM FACILITY NAME</i></b>	<b><i>NPDES# TYPE</i></b>
NINETY SIX CREEK TOWN OF NINETY SIX WWTP	SC0036048 MINOR DOMESTIC
WILSON CREEK CITY OF GREENWOOD/WILSON CREEK WWTP	SC0021709 MAJOR DOMESTIC
WILSON CREEK NINETY SIX CPW (PIER 96) WWTP	SC0042706 MINOR DOMESTIC
ROCKY CREEK GREENWOOD MILLS, INC./HARRIS PLANT	SCG250118 MINOR INDUSTRIAL
BRIGHTMANS CREEK GREENWOOD MILLS, INC./MATTHEWS PLT	SCG250127 MINOR INDUSTRIAL
ROPERS CREEK UNITED UTILITIES/HIGHLAND FOREST SD	SC0034444 MINOR DOMESTIC
CORONACA CREEK TRIBUTARY H. ANDERSON CONSTR./QUARRY ROAD MINE	SCG731100 MINOR INDUSTRIAL

***Municipal Separate Storm Sewer Systems (MS4)***

<b><i>RECEIVING STREAM MUNICIPALITY RESPONSIBLE PARTY IMPLEMENTING PARTY</i></b>	<b><i>NPDES# MS4 PHASE MS4 SIZE COUNTY</i></b>
NINETY SIX CREEK CITY OF GREENWOOD CITY OF GREENWOOD CITY OF GREENWOOD	----- PHASE II SMALL MS4

## Nonpoint Source Permitted Activities

### *Land Disposal Activities*

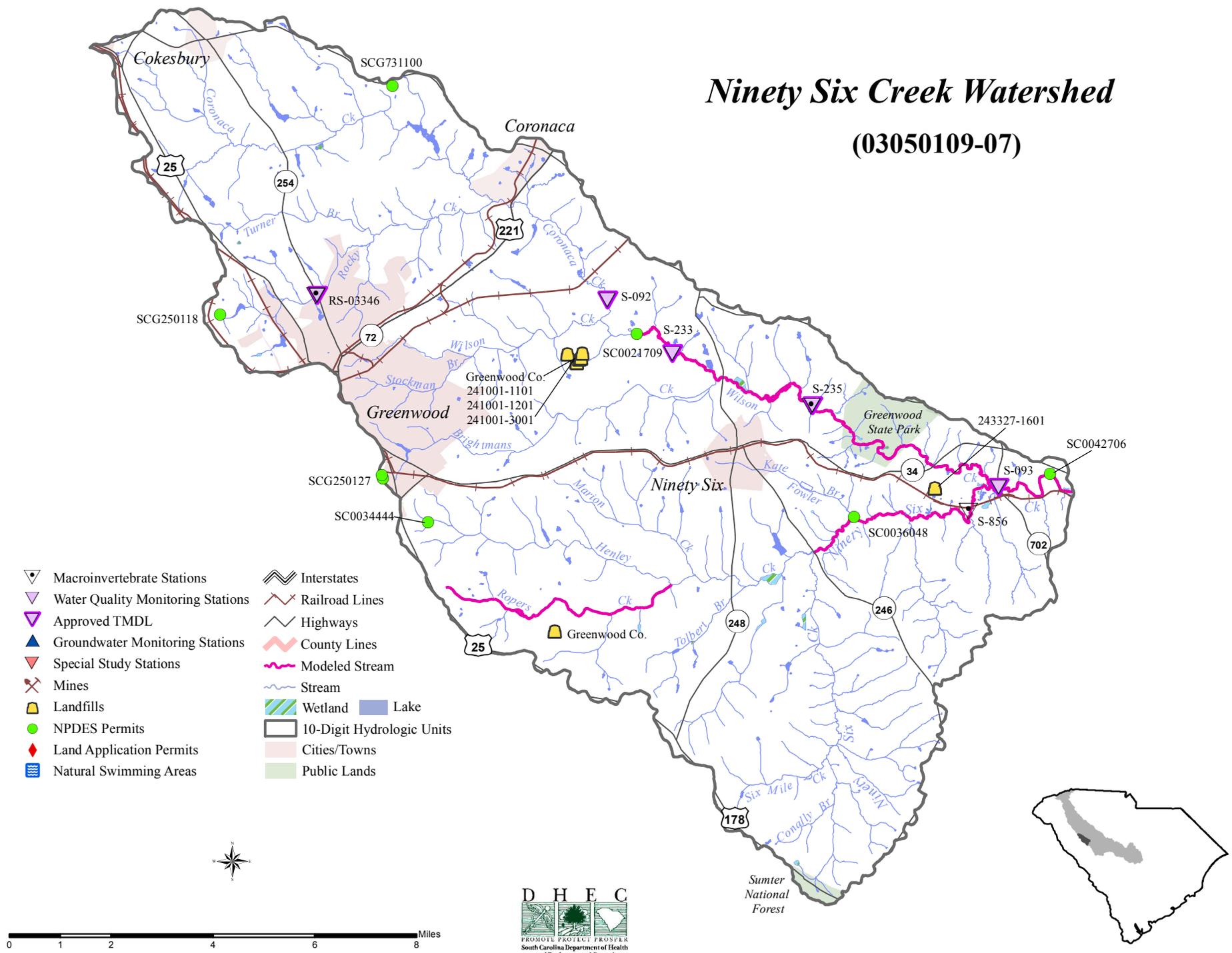
#### Landfill Facilities

<i>LANDFILL NAME</i> <i>FACILITY TYPE</i>	<i>PERMIT #</i> <i>STATUS</i>
GREENVILLE COUNTY LANDFILL MUNICIPAL	----- INACTIVE
GREENVILLE COUNTY LANDFILL MUNICIPAL	----- INACTIVE
GREENVILLE COUNTY SANITARY LANDFILL MUNICIPAL	----- INACTIVE
GREENVILLE COUNTY SANITARY LANDFILL #1 MUNICIPAL	----- INACTIVE
GREENVILLE WOOD CHIP/SHRED FACILITY COMPOSTING	241001-3001 INACTIVE
GREENVILLE COUNTY MSW LANDFILL MUNICIPAL	241001-1101 ACTIVE
GREENVILLE COUNTY C&D LANDFILL C&D	241001-1201 ACTIVE
SOUTHERN BRICK LANDFILL INDUSTRIAL	----- INACTIVE
SOUTHERN BRICK LANDFILL INDUSTRIAL	243327-1601 INACTIVE
GREENVILLE METROPOLITAN COMM. INDUSTRIAL	----- INACTIVE

### **Growth Potential**

This watershed contains the Town of Ninety Six, portions of the Town of Hodges, the City of Greenwood, and the communities of Cokesbury and Coronaca. There is a moderate potential for industrial growth in the Ninety Six-Greenwood area due to existing infrastructure and continued residential and commercial development.

# Ninety Six Creek Watershed (03050109-07)



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

0 1 2 4 6 8 Miles



Sumter National Forest

