

03050109-01
(North Saluda River)

General Description

Watershed 03050109-01 (formerly 03050109-010) is located in Greenville County and consists primarily of the *North Saluda River* and its tributaries. The watershed occupies 48,411 acres of the Blue Ridge and Piedmont regions of South Carolina. Land use/land cover in the watershed includes: 79.2% forested land, 11.5% agricultural land, 6.7% urban land, 2.0% water, 0.3% barren land, and 0.3% forested wetland (swamp).

The North Saluda River originates near the State boundary with North Carolina and flows through Poinsett Reservoir, which is also known as the North Saluda Reservoir. Tributaries of Poinsett Reservoir include: Brice Creek, Brushy Creek, Big Falls Creek (Fall Creek, Posey Creek, Guest Creek), and Little Falls Creek. The portion of the North Saluda River from its headwaters to and including Poinsett Reservoir (drinking water reservoir for the City of Greenville) and its tributaries are classified ORW. The North Saluda River flows out of Poinsett Reservoir and accepts drainage from Calahan Branch, Beaverdam Creek (Terry Creek, Short Branch), Sprigg Creek, Bull Creek, and Talley Creek. Another Beaverdam Creek enters the river near the Town of Marietta, as does Whitmire Branch. The river and its tributaries downstream of Poinsett Reservoir are classified FW. There are a total of 191.3 stream miles and 1,142.0 acres of lake waters in this watershed. Pleasant Ridge State Park is located in this watershed.

Surface Water Quality

<u>Station #</u>	<u>Type</u>	<u>Class</u>	<u>Description</u>
S-292	W	ORW	POINSETT RESERVOIR AT WATER INTAKE
S-088	W	FW/ORW	NORTH SALUDA RIVER AT S-23-42, 5.2 MI NNW OF TIGERVILLE
S-773	BIO	FW	NORTH SALUDA RIVER AT U.S. 25
S-004	INT	FW	N. SALUDA R. AT BRIDGE ABOVE JUNC.W/SALUDA R. E OF SC 186

North Saluda Reservoir or Poinsett Reservoir (S-292) - Aquatic life and recreational uses are fully supported; however, there is a significant increasing trend in five-day biochemical oxygen demand. There is a significant increasing trend in pH. A significant decreasing trend in fecal coliform bacteria concentration suggests improving conditions for this parameter.

North Saluda River - There are three SCDHEC monitoring stations along the North Saluda River. At the upstream site (**S-088**), aquatic life and recreational uses are fully supported; however, there is a significant decreasing trend in dissolved oxygen concentration. There is a significant increasing trend in pH. Significant decreasing trends in turbidity and fecal coliform bacteria concentration suggest improving conditions for these parameters. At the midstream station (**S-773**), aquatic life use is partially supported based on macroinvertebrate community data. At the downstream site (**S-004**), aquatic life uses are fully supported; however, there is a significant increasing trend in five-day biochemical oxygen demand. Recreational uses are not supported at this site due to fecal coliform bacteria excursions.

Natural Swimming Areas

<i>FACILITY NAME</i>	<i>PERMIT #</i>
<i>RECEIVING STREAM</i>	<i>STATUS</i>
PLEASANT RIDGE COUNTY PARK NORTH SALUDA RIVER TRIBUTARY	23-N13 ACTIVE
CAMP OLD INDIAN CALAHAN BRANCH	23-N08 ACTIVE

NPDES Permitted Activities

Active NPDES Facilities

<i>RECEIVING STREAM</i>	<i>NPDES#</i>
<i>FACILITY NAME</i>	<i>TYPE</i>
NORTH SALUDA RIVER JPS CONVERTER & INDUSTRIES	SCG250012 MINOR INDUSTRIAL
NORTH SALUDA RIVER WCRSA/SLATER/MARIETTA	SC0026883 MINOR DOMESTIC
NORTH SALUDA RIVER GVWS/TABLE ROCK & N. SALUDA WTP	SCG645014 MINOR DOMESTIC

Municipal Separate Storm Sewer Systems (MS4)

<i>RECEIVING STREAM</i>	<i>NPDES#</i>
<i>MUNICIPALITY</i>	<i>MS4 PHASE</i>
<i>RESPONSIBLE PARTY</i>	<i>MS4 SIZE</i>
<i>IMPLEMENTING PARTY</i>	
NORTH SALUDA RIVER UNINCORPORATED AREAS GREENVILLE COUNTY GREENVILLE COUNTY	SCS230001 PHASE I MEDIUM MS4

Water Quantity

<i>WATER USER</i>	<i>REGULATED CAPACITY (MGD)</i>
<i>WATERBODY</i>	<i>PUMPING CAPACITY (MGD)</i>
GREENVILLE WATER SYSTEM	90.0
NORTH SALUDA RESERVOIR	60.0

Growth Potential

There is a low potential for development within this mountainous watershed, which contains a portion of the Town of Slater-Marietta. A portion of the watershed is protected by the City of Greenville and the Nature Conservancy as the Greenville Water Commission Watershed.

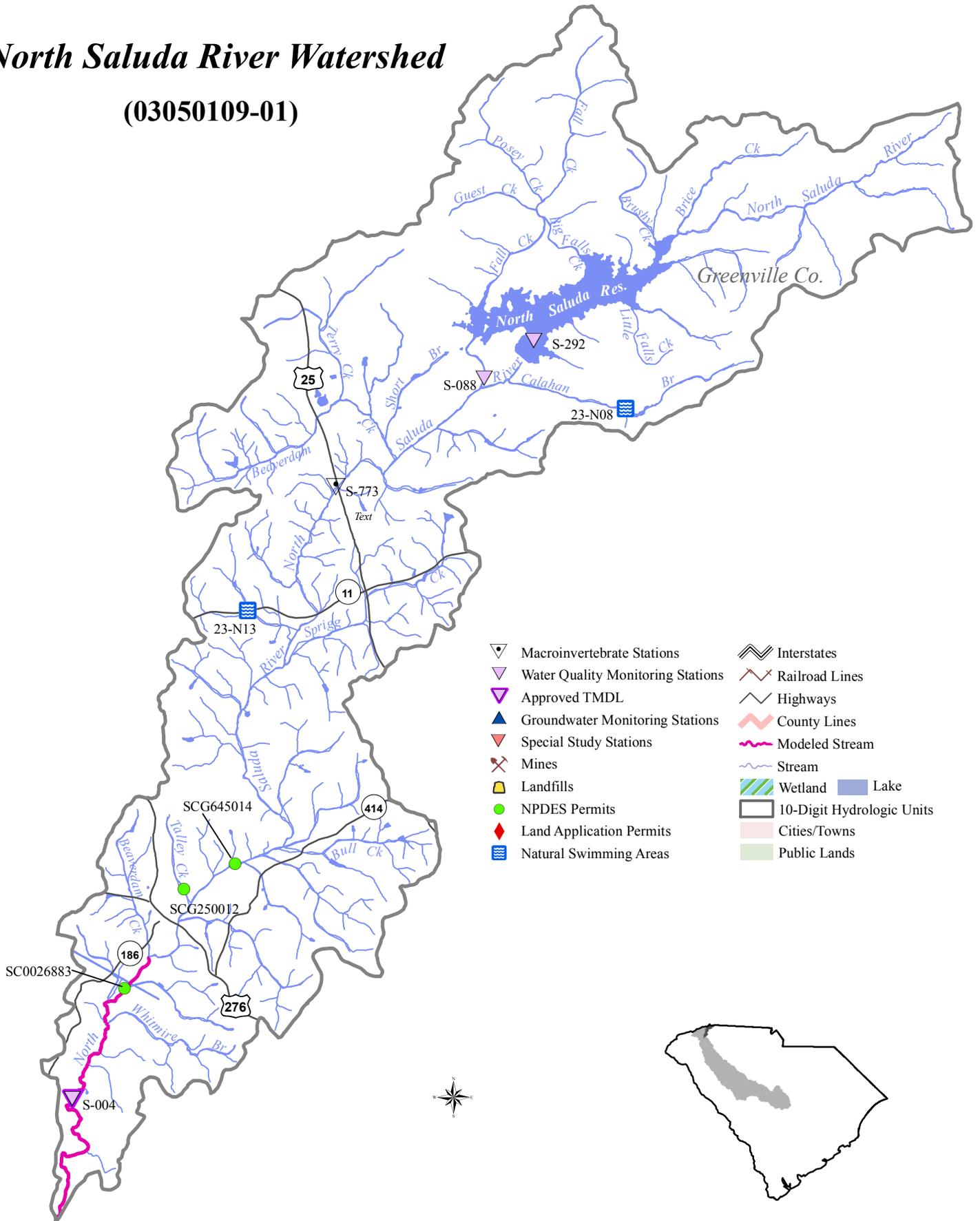
Watershed Protection and Restoration Strategies

Total Maximum Daily Loads (TMDLs)

A TMDL was developed for SCDHEC and approved by EPA for the **North Saluda River** at water quality monitoring site S-004. TMDLs determine the maximum amount of fecal coliform bacteria waterbodies can receive and still meet water quality standards. There was one NPDES facility permitted to discharge fecal coliform bacteria in this watershed. The entire watershed is in a designated MS4. Possible sources of fecal coliform bacteria in this watershed are leaking sanitary sewers, sanitary sewer overflows (SSOs), urban runoff, agricultural activities, and wildlife. The TMDL requires a reduction of 60% in fecal coliform loading for this stream to meet the recreational use standard.

North Saluda River Watershed

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- ▽ 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
- 🌿 Wetland
- 🟦 Lake
- 🗺️ 10-Digit Hydrologic Units
- 🏘️ Cities/Towns
- 🌿 Public Lands

