

**03060107-02**  
**(Turkey Creek)**

**General Description**

Watershed 03060107-02 (formerly 03060107-020, 030) is located in Greenwood, McCormick, Edgefield, and Saluda Counties and consists primarily of **Turkey Creek** and its tributaries. The watershed occupies 182,781 acres of the Piedmont and Upper Coastal regions of South Carolina. Land use/land cover in the watershed includes: 76.3% forested land, 16.4% agricultural land, 4.4% urban land, 1.9% forested wetland (swamp), 0.6% barren land, and 0.4% water. A map depicting this watershed is found in Appendix C, page C-38.

Turkey Creek originates near the Town of Johnston and accepts drainage from Little Turkey Creek (Bartley Branch), Bubbling Branch, Center Spring Branch, Little Stevens Creek (Rocky Creek), and Sleepy Creek (Flat Rock Branch, Ephriam Branch). Talbert Branch and Mt. Carmel Branch join to form Mountain Creek, which accepts drainage from Catholic Branch, Pickell Branch, Little Mountain Creek, Bell Branch (Quaker Branch), and Hegwood Branch before draining into Turkey Creek. Log Creek (Dunn Creek) enters Turkey Creek next, followed by Jim Branch, Crooked Run, and Rocky Creek (Wiley Branch, Stockman Branch, Wilson Branch, Cartledge Branch, Bailey Branch). Further downstream, Turkey Creek accepts drainage from Pike Branch, Horse Branch, Broadwater Branch, Cyper Creek, Goff Branch, Wine Creek (Church Branch, Mack Branch), Beaverdam Creek (Slade Lake, Little Beaverdam Creek, Chap Branch, White Branch, Moss Branch, Camp Branch, and Red Hill Spring Branch), Coon Creek, Rock Creek, and Blue Branch. Turkey Creek drains into Stevens Creek. There are a total of 626.5 stream miles and 905.4 acres of lake waters in this watershed, all classified FW. The Sumter National Forest extends over a large portion of the watershed.

**Surface Water Quality**

<u>Station #</u>	<u>Type</u>	<u>Class</u>	<u>Description</u>
SV-729	BIO	FW	TURKEY CREEK AT S-191-100
SV-728	BIO	FW	LOG CREEK AT S-19-315
SV-727	BIO	FW	ROCKY CREEK AT S-19-61
SV-353	INT/BIO	FW	BEAVERDAM CREEK AT FOREST SERVICE RD 621 OFF S-19-68
SV-352	INT	FW	TURKEY CREEK AT S-33-227/S-19-68

**Turkey Creek** – There are two SCDHEC monitoring stations along Turkey Creek. At the upstream site (**SV-729**), aquatic life uses are fully supported based on macroinvertebrate community data. At the downstream site (**SV-352**), aquatic life 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. Recreational uses are partially supported due to fecal coliform bacteria excursions.

**Log Creek (SV-728)** – Aquatic life uses are fully supported based on macroinvertebrate community data.

**Rocky Creek (SV-727)** – Aquatic life uses are fully supported based on macroinvertebrate community data.

**Beaverdam Creek (SV-353)** – Aquatic life uses are partially supported based on macroinvertebrate community data and there is a significant increasing trend in five-day biochemical oxygen demand. There is a significant increasing trend in pH. 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>
BEAVERDAM CREEK ECW&SA/BROOKS ST WWTP	SC0025330 MINOR DOMESTIC
BEAVERDAM CREEK FED PACIFIC ELECTRIC CO./ODELL DAM	SC0047813 MINOR INDUSTRIAL
TURKEY CREEK BORAL BRICKS/TURKEY CREEK MINE	SCG730638 MINOR INDUSTRIAL
TURKEY CREEK TRIBUTARY THRELKO/WHITLOCK PIT MINE	SCG730638 MINOR INDUSTRIAL

**Nonpoint Source Management Program**

**Land Disposal Activities**

**Landfill Facilities**

<i>LANDFILL NAME FACILITY TYPE</i>	<i>PERMIT # STATUS</i>
EDGEFIELD COUNTY SANITARY LANDFILL DOMESTIC	----- INACTIVE
TRI-COUNTY LANDFILL TRANSFER STATION	194200-6001 ACTIVE
TRI-COUNTY LANDFILL C & D	194200-1201 ACTIVE
TRI-COUNTY SANITARY LANDFILL DOMESTIC	----- INACTIVE
EUGENE EASLER LCD LANDFILL C & D	192757-1701 ACTIVE

**Mining Activities**

<i>MINING COMPANY MINE NAME</i>	<i>PERMIT # MINERAL</i>
BORAL BRICK INC./MERRY DIV. EDGEFIELD SHALE PIT	0040-37 SHALE

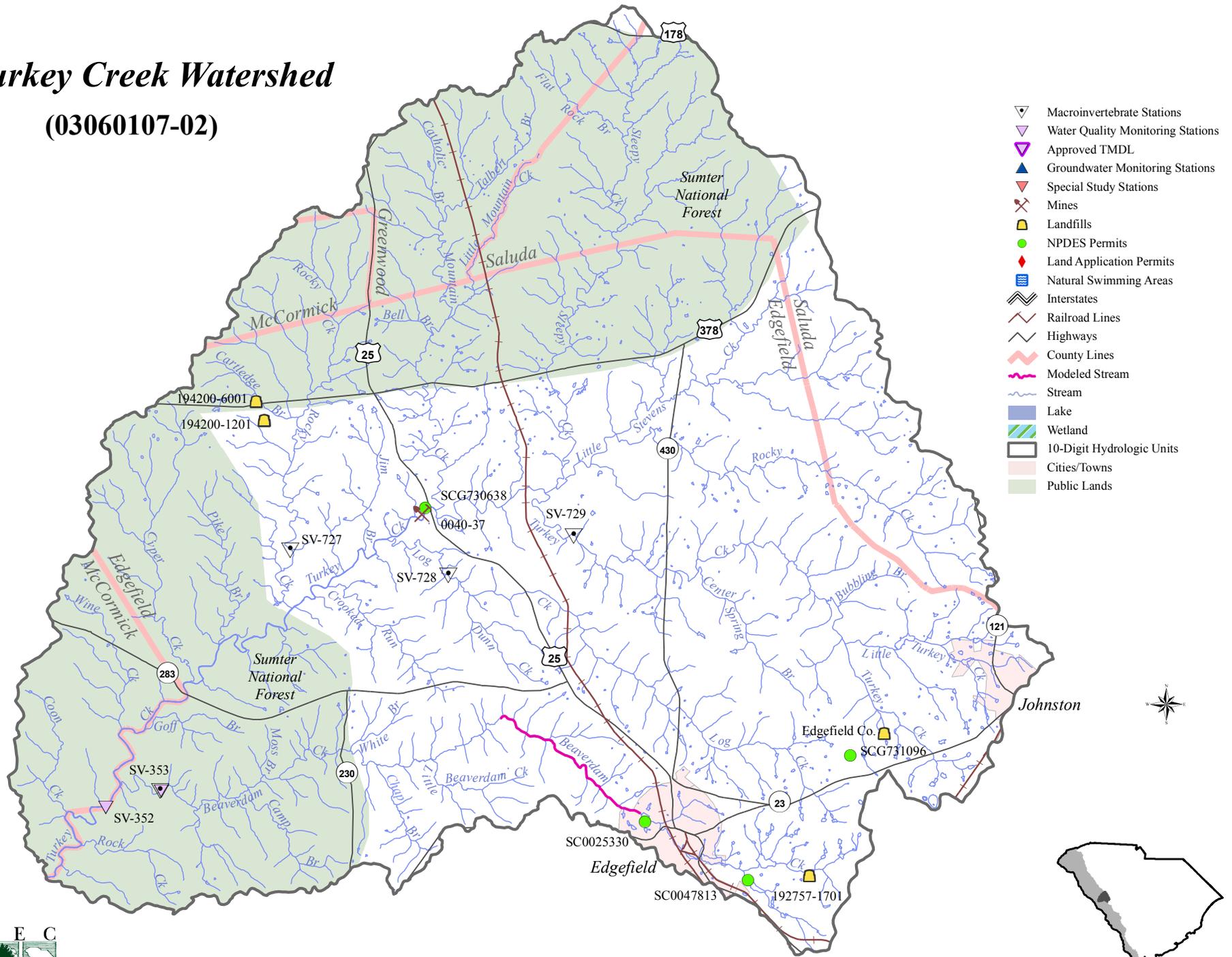
## **Growth Potential**

There is a low to moderate potential for growth in this watershed, which contains portions of the Towns of Johnston and Edgefield. The Edgefield County Water and Sewer Authority's Regional Sewer Collection System now serves Edgefield County, and the Saluda County and the Town of Saluda where it connects to the sewer system of the City of North Augusta for final connection to the Horse Creek Valley WWTP. The Towns of Edgefield and Johnson have also tied into the system, allowing for possible growth. The Edgefield Industrial Park, located southeast of the Town of Edgefield, is supported by a rail system and serves as a source of potential industrial growth in the watershed. A new industrial park has been proposed for the Town of Johnston between SC 23 and SC 121, and if built, would greatly increase industrial growth in this watershed. A federal prison and state prison have been constructed in Edgefield County, which should also increase growth. Over half of the watershed resides within the Sumter National Forest and would tend to limit growth in that area.

# Turkey Creek Watershed

## (03060107-02)

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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
- 🌊 Lake
- 🌊 Wetland
- 🗺️ 10-Digit Hydrologic Units
- 🏘️ Cities/Towns
- 🌲 Public Lands

