

03050109-04

(Reedy River)

General Description

Watershed 03050109-04 (formerly 03050109-100, 110) is located in Greenville County and consists primarily of the upper **Reedy River** and its tributaries from its origin to Huff Creek. The watershed occupies 96,591 acres of the Piedmont region of South Carolina. Land use/land cover in the watershed includes: 44.5% urban land, 30.3% forested land, 21.2% agricultural land, 2.8% forested wetland (swamp), 0.6% water, and 0.6% barren land.

The Reedy River originates near the Town of Travelers Rest and flows through the City of Greenville downstream to the Town of Fork Shoals, where it accepts the drainage of Huff Creek (Baker Creek (Trollingwood Lake), Little Creek), Swan Lake, Little Creek, Langston Creek, Long Branch, Richland Creek, and Brushy Creek (Cow Creek). The river then accepts drainage from Marrow Bone Creek, flows through Conestee Lake, and accepts drainage from Laurel Creek near the Donaldson Industrial Park. Maddog Creek and Rocky Creek drain into the river further downstream. A portion of Paris Mountain State Park resides in this watershed. There are a total of 356.9 stream miles and 693.2 acres of lake waters in this watershed, all classified FW.

Surface Water Quality

<u>Station #</u>	<u>Type</u>	<u>Class</u>	<u>Description</u>
S-073	W	FW	REEDY R. AT UNNUMBERED RD OFF US 276, 3/4 MI. E OF TRAVELERS REST
S-265	BIO	FW	LANGSTON CREEK AT OLD BUNCOMB ROAD
S-264	W	FW	LANGSTON CREEK AT SC 253
S-319	W	FW	REEDY RIVER AT RIVERS STREET, DOWNTOWN GREENVILLE
S-981	BIO	FW	RICHLAND CREEK AT E. NORTH STREET
S-067	W	FW	BRUSHY CREEK ON GREEN STREET EXT, BELOW DUNEAN MILL ON SC 20
S-867	BIO	FW	BRUSHY CREEK AT SR 30
S-139	BIO	FW	LAUREL CREEK AT MAULDIN ROAD
RS-06167	RS06/BIO	FW	REEDY RIVER TRIBUTARY IN THE PRESERVE AT PLANTERS ROW SD
S-323	SPRP	FW	REEDY RIVER AT S-23-316 3.5 MILES SSW OF MAULDIN
S-972	BIO	FW	BALDWIN CREEK AT MOORE ROAD
S-091	W/BIO	FW	ROCKY CREEK AT S-23-453, 3.5 MILES SW OF SIMPSONVILLE
S-833	BIO	FW	REEDY RIVER AT SR 542
S-982	BIO	FW	HARRISON CREEK AT S. HARRISON BRIDGE ROAD
S-072	INT	FW	REEDY RIVER ON HWY 418 AT FORK SHOALS
S-983	BIO	FW	HUFF CREEK AT GRIFFIN MILL ROAD
S-984	BIO	FW	BAKER CREEK TRIBUTARY AT ALVERSON ROAD
S-863	BIO	FW	HUFF CREEK AT SR 459
S-178	INT	FW	HUFF CREEK AT SC 418, 1.6 MI NW OF FORK SHOALS
S-985	BIO	FW	LITTLE CREEK AT BERRY ROAD
S-834	BIO	FW	REEDY RIVER AT SR 154

Reedy River - There are six SCDHEC monitoring stations along this section of the Reedy River. At the furthest upstream site (**S-073**), aquatic life uses are fully supported; however, there are significant increasing trends in five-day biochemical oxygen demand and total suspended solids. There is a significant increasing trend in pH. Recreational uses are partially supported due to fecal coliform bacteria excursions. At the next site downstream site (**S-319**), aquatic life uses are fully supported; however, there is a significant increasing trend in five-day biochemical oxygen

demand. Significant decreasing trends in turbidity and total phosphorus concentration suggest improving conditions for these parameters. Recreational uses are not supported at this site due to fecal coliform bacteria excursions. Further downstream (*S-323*), aquatic life uses are fully supported. There is a significant decreasing trend in pH. Significant decreasing trends in turbidity and total nitrogen concentration suggest improving conditions for these parameters. Recreational uses are not supported due to fecal coliform bacteria excursions. At the next site downstream (*S-833*), aquatic life is partially supported based on macroinvertebrate community data. Further downstream (*S-072*), aquatic life uses are fully supported. Significant decreasing trends in turbidity and total phosphorus concentration suggest improving conditions for these parameters. Recreational uses are not supported due to fecal coliform bacteria excursions; however, a significant decreasing trend in fecal coliform bacteria concentration suggests improving conditions for this parameter. At the furthest downstream site (*S-834*), aquatic life is partially supported based on macroinvertebrate community data.

Langston Creek - There are two SCDHEC monitoring stations along Langston Creek. At the upstream site (*S-265*), aquatic life is partially supported based on macroinvertebrate community data. At the downstream site (*S-264*), aquatic life uses are fully supported. Recreational uses are partially supported due to fecal coliform bacteria excursions; however, a significant decreasing trend in fecal coliform bacteria concentration suggests improving conditions for this parameter.

Richland Creek (S-981) – Aquatic life is partially supported based on macroinvertebrate community data.

Brushy Creek – There are two SCDHEC monitoring stations along Brushy Creek. At the upstream site (*S-067*), aquatic life uses are fully supported; however, there are significant increasing trends in five-day biochemical oxygen demand and dissolved oxygen concentration. Recreational uses are not supported due to fecal coliform bacteria excursions; however, a significant decreasing trend in fecal coliform bacteria concentration suggests improving conditions for this parameter. At the downstream site (*S-867*), aquatic life is partially supported based on macroinvertebrate community data.

Laurel Creek (S-139) – Aquatic life is partially supported based on macroinvertebrate community data.

Reedy River Tributary (RS-06167) - Aquatic life is partially supported based on macroinvertebrate community data. Recreational uses are not supported due to fecal coliform bacteria excursions.

Baldwin Creek (S-972) – Aquatic life is partially supported based on macroinvertebrate community data.

Harrison Creek (S-982) – Aquatic life is partially supported based on macroinvertebrate community data.

Rocky Creek (S-091) - Aquatic life is partially supported based on macroinvertebrate community data. There is a significant increasing trend in pH. A significant decreasing trend in total phosphorus concentration suggests improving conditions for this parameter. Recreational uses are not supported due to fecal coliform bacteria excursions.

Huff Creek – There are three SCDHEC monitoring stations along Huff Creek. At the two upstream sites (**S-983, S-863**), aquatic life is partially supported based on macroinvertebrate community data. At the downstream site (**S-178**), aquatic life uses are fully supported; however, there is a significant increasing trend in five-day biochemical oxygen demand. A significant decreasing trend in total phosphorus concentration suggests improving conditions for this parameter. Recreational uses are not supported at this site due to fecal coliform bacteria excursions.

Baker Creek Tributary (S-984) – Aquatic life is partially supported based on macroinvertebrate community data.

Little Creek (S-985) – Aquatic life is fully supported based on macroinvertebrate community data.

A fish consumption advisory has been issued by SCDHEC for mercury and includes the impounded portions of Lake Conestee within this watershed (see advisory p.40).

NPDES Permitted Activities

Active NPDES Facilities

RECEIVING STREAM FACILITY NAME	NPDES# TYPE
REEDY RIVER REWA/LOWER REEDY RIVER PLT	SC0024261 MAJOR DOMESTIC
REEDY RIVER REWA/MAULDIN ROAD PLANT	SC0041211 MAJOR DOMESTIC
LITTLE CREEK ALTAMONT MOBILE HOME VILLAGE	SC0028533 MINOR DOMESTIC
BRUSHY CREEK TRIBUTARY SOUTHERN WATER TREATMENT CO.	SCG250165 MINOR INDUSTRIAL
COW CREEK MILLIKEN & CO./JUDSON PLT	SCG250026 MINOR INDUSTRIAL
MARROW BONE CREEK CRUCIBLE CHEMICAL CO.	SCG250139 MINOR INDUSTRIAL
LAUREL CREEK JOHN D. HOLLINGSWORTH ON WHEELS	SC0033774 MINOR INDUSTRIAL
HUFF CREEK CROWN METRO CHEMICALS INC.	SCG250091 MINOR INDUSTRIAL

BAKER CREEK UNITED UTILITIES/TROLLINGWOOD WWTP	SC0026611 MINOR DOMESTIC
BAKER CREEK UNITED UTILITIES/CANTERBURY WWTP	SC0028941 MINOR DOMESTIC
REEDY RIVER HITACHI ELEC. DEVICES USA, INC.	SC0048411 MINOR INDUSTRIAL
REEDY RIVER BURDETTE ENTERPRISES/CONESTEE	SCG730460 MINOR INDUSTRIAL
REEDY RIVER TRIBUTARY MORGAN CORP./CCG PROPERTY MINE	SCG731132 MINOR INDUSTRIAL
LAUREL CREEK CARTER EXCAVATIONS/MAULDIN ROAD MINE	SCG731037 MINOR INDUSTRIAL
BRUSHY CREEK TRIBUTARY SAFETY COMPONENT FAB/DUNEAN	SCG250075 MINOR INDUSTRIAL

Municipal Separate Storm Sewer Systems (MS4)

<i>RECEIVING STREAM MUNICIPALITY RESPONSIBLE PARTY IMPLEMENTING PARTY</i>	<i>NPDES# MS4 PHASE MS4 SIZE</i>
UPPER REEDY RIVER ----- GREENVILLE COUNTY GREENVILLE COUNTY	SCS230001 PHASE I MEDIUM MS4
UPPER REEDY RIVER CITY OF GREENVILLE CITY OF GREENVILLE CITY OF GREENVILLE	SCR034501 PHASE II SMALL MS4
UPPER REEDY RIVER CITY OF MAULDIN GREENVILLE COUNTY GREENVILLE COUNTY	SCS230001 PHASE II SMALL MS4
UPPER REEDY RIVER CITY OF SIMPSONVILLE GREENVILLE COUNTY GREENVILLE COUNTY	SCS230001 PHASE II SMALL MS4
UPPER REEDY RIVER CITY OF TRAVELERS REST GREENVILLE COUNTY GREENVILLE COUNTY	SCS230001 PHASE II SMALL MS4
UPPER REEDY RIVER UNINCORPORATED AREAS GREENVILLE COUNTY GREENVILLE COUNTY	SCS230001 PHASE I MEDIUM MS4

Nonpoint Source Permitted Activities

Land Disposal Activities

Landfill Facilities

<i>LANDFILL NAME</i> <i>FACILITY TYPE</i>	<i>PERMIT #</i> <i>STATUS</i>
CITY OF GREENVILLE SANITARY LANDFILL DOMESTIC	231002-1101 INACTIVE
GREATER GREENVILLE SANITATION COMM. DOMESTIC	----- INACTIVE
WCRSA INDUSTRIAL	----- INACTIVE
SOUTHERN GRADING II SITE COMPOSTING	232701-3002 ACTIVE
GREENVILLE WOOD WASTE REC. CENTER COMPOSTING	233335-3001 INACTIVE
GREENVILLE WOOD WASTE REC. CENTER II COMPOSTING	232420-3001 ACTIVE
GREENVILLE LT & C&D LANDFILL C&D	232441-1201 ACTIVE
CITY OF GREENVILLE TUB GRINDING OPERATION COMPOSTING	231002-3001 INACTIVE
CITY OF GREENVILLE TUB GRINDING SITE COMPOSTING	231002-3002 INACTIVE
CITY OF GREENVILLE LCD TRANSFER STATION TS-LCD	231002-6001 ACTIVE
GREATER GREENVILLE SANITATION SHRED. FAC. COMPOSTING	231003-3001 ACTIVE
FENNELL CONTAINER-GREENVILLE TRANS & PROC. FAC. SWP & C&D	232441-2001 ACTIVE
ENOREE PHASE II MSW LF WASTE TIRE COLLECTION WTC	231002-5301 ACTIVE

Land Applications

<i>LAND APPLICATION</i> <i>FACILITY NAME</i>	<i>PERMIT #</i> <i>TYPE</i>
PERCOLATION/EVAPORATION BASIN METROMONT MATERIALS/PARIS MTN	ND0082139 INDUSTRIAL

Mining Activities

<i>MINING COMPANY</i> <i>MINE NAME</i>	<i>PERMIT #</i> <i>MINERAL</i>
BURDETTE ENTERPRISES, INC. CONESTEE ROAD BORROW PIT	1101-45 SAND, SAND/CLAY

Growth Potential

There is a high potential for growth in this watershed, which contains portions of the Cities of Travelers Rest, Greenville, Mauldin, and Simpsonville. The City of Greenville has a very high potential to continue as an urban growth area, particularly in the area south of the city. Both the I-85 and I-385 corridors are in this watershed and contribute greatly to the growth. There are a large number of existing industrial sites near the I-385 corridor, together with the Donaldson Center and several rail lines to encourage more industrial growth. The two large regional wastewater treatment facilities in the area (Lower Reedy River Plant, Mauldin Road Plant) have dramatically increased in size and should spur industrial growth. Greenville County's zoning boundary will extend southward to SC 418 and should promote medium density development. Clemson University's Automotive Research Park near I-85 and I-385 should promote industrial growth in the area as well.

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