

03050105-09

(*Kings Creek*)

General Description

The South Carolina portion of 03050105-09 (formerly 03050105-120) is located in Cherokee and York Counties and consists primarily of *Kings Creek* and its tributaries. The watershed occupies 43,903 acres of the Piedmont region of South Carolina. Land use/land cover in the watershed includes: 66.6% forested land, 22.1% agricultural land, 8.6% urban land, 1.8% scrub/shrub land, 0.7% water, 0.1% forested wetland, and 0.1% nonforested wetland.

Kings Creek originates in North Carolina and flows across the state line to accept drainage from Modlin Branch, Dixon Branch, Ponders Branch, Stonehouse Branch, Dellingham Branch, Mill Creek, and Jumping Branch. Further downstream, Garner Branch flows into Kings Creek followed by Manning Branch, Bells Branch, Beech Branch, Wolf Creek, and Nells Branch before draining into the Broad River. Kings Mountain National Military Park and Kings Mountain State Park are additional natural resources in the watershed. There are a total of 66.3 stream miles and 27.0 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>
B-333	W/BIO/INT	FW	KINGS CREEK AT S-11-209, 3 MI W OF SMYRNA

Kings Creek (B-333) - Aquatic life uses are fully supported based on macroinvertebrate community data; however, there is a significant increasing trend in total nitrogen concentration. A significant decreasing trend in total phosphorus concentration suggests improving conditions for this parameter. Recreational uses are partially supported due to fecal coliform bacteria excursions.

Groundwater Quality

<u>Well #</u>	<u>Class</u>	<u>Aquifer</u>	<u>Location</u>
AMB-056	GB	SAPROLITE	BLACKSBURG-SHALLOW
AMB-077	GB	PIEDMONT BEDROCK	BLACKSBURG-DEEP

NPDES Program

Active NPDES Facilities

<i>RECEIVING STREAM FACILITY NAME PERMITTED FLOW @ PIPE (MGD)</i>	<i>NPDES# TYPE COMMENT</i>
MILL CREEK TRIBUTARY VULCAN MATERIALS CO./BLACKSBURG PIPE #: 001, 002 FLOW: M/R	SCG730068 MINOR INDUSTRIAL
KINGS CREEK TAYLOR CLAY/GROVER MINE PIPE #: 001 FLOW: M/R	SCG730589 MINOR INDUSTRIAL

KINGS CREEK HANSON BRICK EAST/SERICITE MINE PIPE #: A-C FLOW: M/R	SCG730502 MINOR INDUSTRIAL
BELLS BRANCH TRIBUTARY CUNNINGHAM BRICK/MARTIN MINE PIPE #: 001 FLOW: M/R	SCG730546 MINOR INDUSTRIAL
MANNING BRANCH INDUSTRIAL MINERALS/KINGS CREEK PIPE #: 001 FLOW: M/R	SCG730499 MINOR INDUSTRIAL
KINGS CREEK TRIBUTARY EAGLE CONSTRUCTION/EM WATKINS PIT PIPE #: 001 FLOW: M/R	SCG730718 MINOR INDUSTRIAL

Nonpoint Source Management Program

Land Disposal Activities

Landfill Facilities

<i>LANDFILL NAME</i>	<i>PERMIT #</i>
<i>FACILITY TYPE</i>	<i>STATUS</i>
BLACKSBURG DUMP/ANTIOCH DOMESTIC	----- CLOSED

Mining Activities

<i>MINING COMPANY</i>	<i>PERMIT #</i>
<i>MINE NAME</i>	<i>MINERAL</i>
HANSON AGGREGATES EAST LLC SERICITE PIT	0115-21 SERICITE
VULCAN CONSTRUCTION MATERIALS BLACKSBURG QUARRY	0354-21 LIMESTONE
TAYLOR CLAY PRODUCTS CO. ROBERTS MINE	0221-21 SHALE
TAYLOR CLAY PRODUCTS CO. GROVER MINE	0199-21 MANGANESE SCHIST
INDUSTRIAL MINERALS, INC. KINGS CREEK MINE	0162-21 SERICITE
CUNNINGHAM BRICK COMPANY, INC. MARTIN MINE	0810-21 MANGANESE SCHIST

Growth Potential

There is an overall low potential for growth in this watershed, which contains a portion of the Town of Smyrna. Duke Power built a natural gas-fired power plant, Mill Creek Combustion Turbine Station, near the top of the watershed in 2003, and it is expected to bring some growth to the area. Duke Power will buy water from the nearby Town of Blacksburg.

Broad River/Kings Creek/ Buffalo Creek Watersheds (03050105-05, -08, -09, -16)

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

