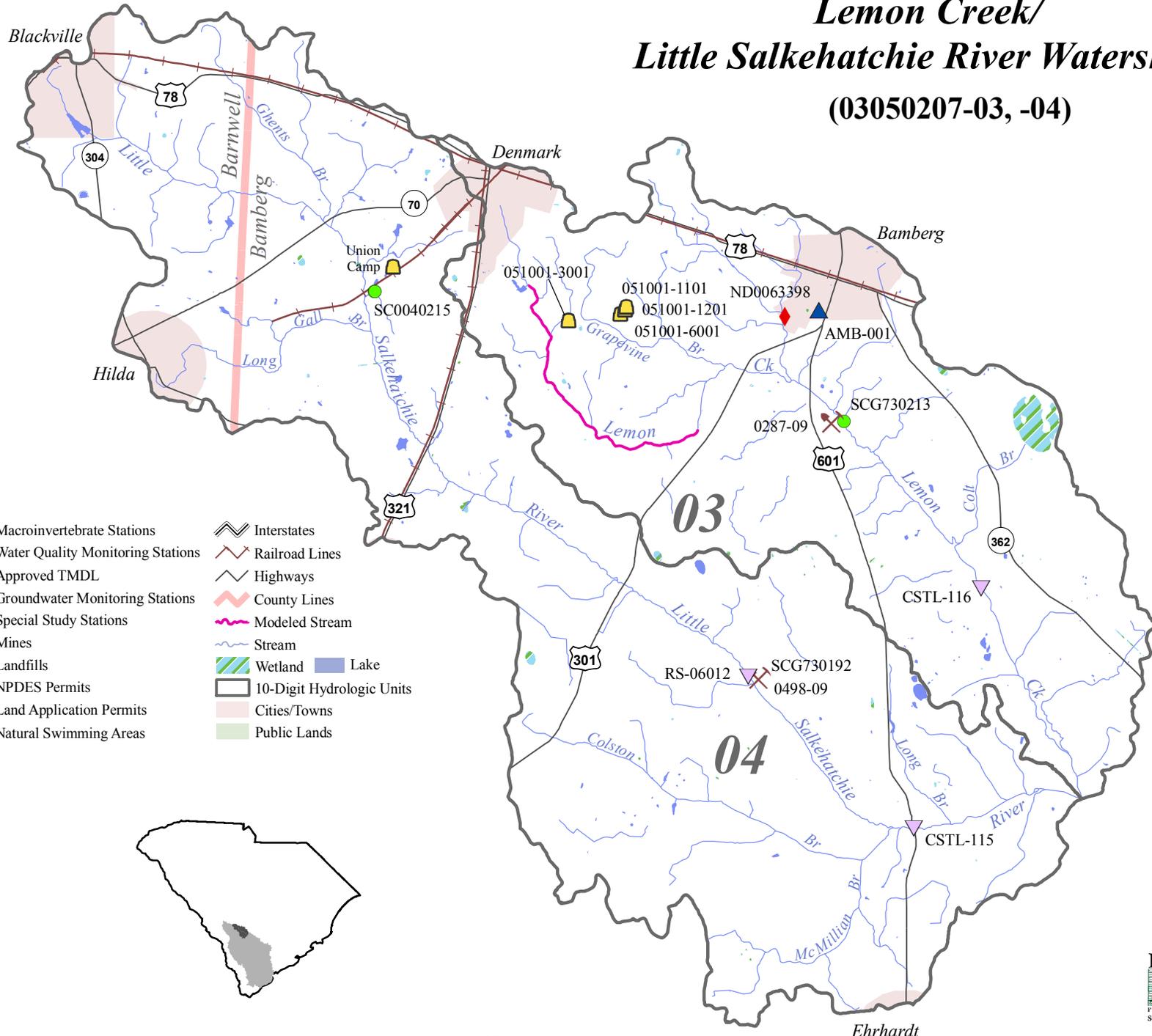


Lemon Creek/ Little Salkehatchie River Watersheds (03050207-03, -04)



A-13

- | | |
|-------------------------------------|-----------------------------|
| ▽ 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 |



03050207-04

(Little Salkehatchie River)

General Description

Watershed 03050207-04 (formerly 03050207-060) is located in Barnwell and Bamberg Counties and consists primarily of the upper *Little Salkehatchie River* and its tributaries from its origin to Lemon Creek. The watershed occupies 70,207 acres of the Upper and Lower Coastal Plain regions of South Carolina. Land use/land cover in the watershed includes: 41.4% agricultural land, 27.1% forested land, 26.1% forested wetland, 4.6% urban land, 0.4% water, and 0.4% nonforested wetland. A map depicting this watershed is found in Appendix A, page A-13.

The Little Salkehatchie River originates in the Town of Blackville and accepts drainage from Lake Cynthia, Guess Pond, Brooker Pond, Ghents Branch, Halfmoon Branch, and Long Gall Branch. Further downstream, the river accepts drainage from Long Pond, Ben Rice Bay, Colston Branch (Ben Rice Branch, Doussoss Bay, Indian Camp Branch, McMillian Branch), and Long Branch (Little Clear Pond, Clear Pond). There are a total of 263.8 stream miles and 494.3 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>
RS-06012	RS06	FW	LITTLE SALKEHATCHIE R. AT BRIDGE ON S-5-41, 7.2MI NNW OF EHRHARDT
CSTL-115	W	FW	LITTLE SALKEHATCHIE RIVER AT US 601

Little Salkehatchie River – There are two SCDHEC monitoring stations along this portion of the Little Salkehatchie River. At the upstream site (**RS-06012**) aquatic life and recreational uses are fully supported. At the downstream site (**CSTL-115**) 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. A significant decreasing trend in total nitrogen concentration suggests improving conditions for this parameter. Recreational uses are partially supported due to fecal coliform bacteria excursions.

A fish consumption advisory has been issued by the Department for mercury and includes the Little Salkehatchie River within this watershed (see advisory p.37).

NPDES Program

Active NPDES Facilities

<i>RECEIVING STREAM</i>			<i>NPDES#</i>
<i>FACILITY NAME</i>			<i>TYPE</i>
LITTLE SALKEHATCHIE RIVER	SC0040215		
CITY OF DENMARK	MINOR		DOMESTIC
LITTLE SALKEHATCHIE RIVER	SCG730192		
JR WILSON CONSTRUCTION/KIRKLAND MINE	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>
UNION CAMP	IWP-198	
INDUSTRIAL	INACTIVE	

Mining Activities

<i>MINING COMPANY</i>		<i>PERMIT #</i>
<i>MINE NAME</i>		<i>MINERAL</i>
JR WILSON CONSTRUCTION, INC.	0498-09	
KIRKLAND	MINE	LIMESTONE; SAND/CLAY

Growth Potential

There is a low potential for growth in this watershed, which contains portions of the City of Denmark and the Towns of Blackville, Hilda, Govan, and Ehrhardt. The rail lines and sewer systems already in place may encourage slight growth. Bamberg County has adopted a zoning ordinance that includes River and Streamside Management Areas, restricting development within 100 feet of a river and 50 feet from perennial streams, which flow directly into the river.