

## 03040204-06

(Lake Swamp)

### General Description

The South Carolina portion of 03040204-06 is located in Horry County and consists primarily of *Lake Swamp* and its tributaries before it drains to the Little Pee Dee River. The watershed occupies 108,915 acres of the Lower Coastal Plain region of South Carolina. Land use/land cover in the watershed includes: 40.4% forested wetland, 37.3% agricultural land, 14.6% forested land, 5.9% urban land, land, 1.5% nonforested wetland, and 0.3% water.

Mitchell Swamp accepts drainage from Savannah Branch (Skeebo Branch), Huggins Creek (Calf Ford Branch), Mill Branch, Seed Tick Branch, Iron Springs Swamp (Iron Springs Bay, Bobs Branch, Pinelog Branch), and Long Branch. Mitchell Swamp then joins with Pleasant Meadow Swamp (Cushion Swamp, Gaskins Branch, Holmes Branch, Spring Branch, Big Branch, Fifth Branch, Rooty Branch) to form the headwaters of Lake Swamp. Downstream of the confluence, Playcard Swamp (Play Card Swamp, Zeeks Branch, Pasture Branch, Chickencoop Branch, Leather String Branch, Daniel Hole Branch, Bogue Bay) enters the system followed by Breakfast Swamp, Prince Mill Swamp (Little Mill Branch, Big Mill Branch, Limbrick Branch), Honey Camp Branch, Rattlesnake Branch, and Reedy Branch. Joiner Swamp (Long Branch, Joiner Bay) enters Lake Swamp next followed by Loosing Swamp (Watery Bay, Turf Camp Bay, Horseskull Bay, Horsepen Bay). There are a total of 274.1 stream miles and 169.4 acres of lake waters in this watershed. Lake Swamp and Pleasant Meadow Swamp are classified FW\* (dissolved oxygen not less than 4.0 mg/l and pH between 5.0 and 8.5); their tributaries and the remaining streams in the watershed are classified FW.

### Surface Water Quality

<u>Station #</u>	<u>Type</u>	<u>Class</u>	<u>Description</u>
RS-06009	RS06	FW	BOBS BRANCH AT BRIDGE ON S-26-637, 2.2 MI N OF GREEN SEA LAKE SWAMP
PD-176	W/INT	FW*	LAKE SWAMP AT S-26-99

**Bobs Branch (RS-06009)** –Aquatic life uses are not supported due to dissolved oxygen excursions. Recreational uses are fully supported.

**Lake Swamp (PD-176)** – This is a blackwater system, characterized by naturally low dissolved oxygen conditions. Although dissolved oxygen excursions occurred, they were typical of values seen in blackwater systems and were considered natural, not standards violations. Aquatic life uses are fully supported; however, there is a significant decreasing trend in dissolved oxygen. Recreational uses are partially supported due to fecal coliform bacteria excursions.

### NPDES Program

#### Active NPDES Facilities

RECEIVING STREAM  
FACILITY NAME

NPDES#  
TYPE

PLEASANT MEADOWS SWAMP  
GSW&SA/LORIS WWTF

SC0025348  
MINOR DOMESTIC

## Nonpoint Source Management Program

### *Land Disposal Activities*

#### **Landfill Facilities**

<i>LANDFILL NAME</i> <i>FACILITY TYPE</i>	<i>PERMIT #</i> <i>STATUS</i>
CITY OF LORIS DUMP MUNICIPAL	----- CLOSED
WACCAMAW WHEEL WILLIAMS INC. WTP	262489-5201 INACTIVE
SODBUSTERS TURF, INC./ WOOD CHIPPING FAC. COMPOSTING	262781-3001 ACTIVE

#### **Land Application Sites**

<i>LAND APPLICATION SYSTEM</i> <i>FACILITY NAME</i>	<i>ND#</i> <i>TYPE</i>
SPRAYFIELD GSW&SA/GREEN SEA FLOYDS HIGH SCHOOL	ND0066516 DOMESTIC

### *Mining Activities*

<i>MINING COMPANY</i> <i>MINE NAME</i>	<i>PERMIT #</i> <i>MINERAL</i>
ALFORD & CO. ALFORD MINE	1476-51 SAND
SB TURF & MULCH SMITH MINE	1747-51 SAND; SAND/CLAY

## Water Quantity

Portions of this watershed fall within the Waccamaw Capacity Use Area and large groundwater uses must be reported (see Capacity Use Program p.22).

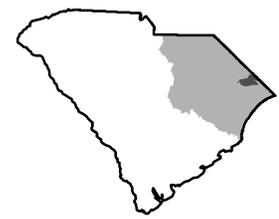
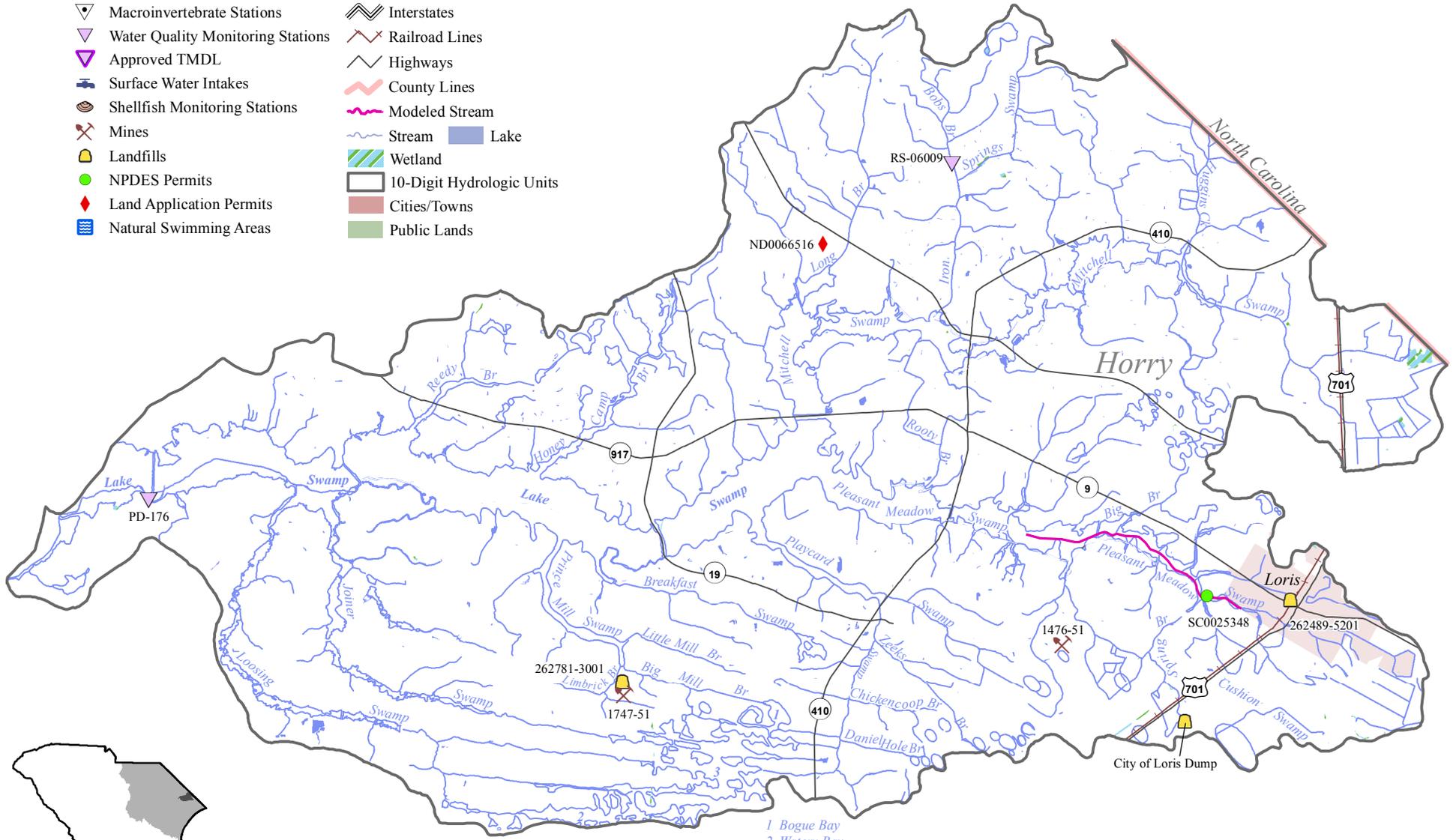
## Growth Potential

There is a low potential for growth in this watershed, which contains the City of Loris. Water and sewer infrastructure are located in Loris, and water service is available along the U.S. Hwy 701 corridor to the City of Conway. Outside of Loris, the area is mostly rural with agricultural uses and timberlands. The proposed Preferred Alternative route of I-73 (Southern Corridor) would cross this watershed and could bring some growth to the area, especially around interchanges.

# Lake Swamp Watershed

(03040204-06)

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



- 1 Bogue Bay
- 2 Watery Bay
- 3 Joiner Bay

