

03040205-08
(Black Mingo Creek)

General Description

Watershed 03040205-08 is located in Williamsburg and Georgetown Counties and consists primarily of **Black Mingo Creek** and its tributaries. The watershed occupies 160,804 acres of the Lower Coastal Plain region of South Carolina. Land use/land cover in the watershed includes: 37.0% forested wetland, 32.8% forested land, 23.6% agricultural land, 3.7% urban land, 2.4% nonforested wetland, 0.4% water, and 0.1% barren land.

Cedar Swamp (Orr Swamp, Home Swamp, Dry Swamp, The Morass, Pine Island Bay) and Parsley Swamp (Whiteoak Swamp, McKnight Swamp) join to form the headwaters of Black Mingo Creek. Downstream of the confluence, Black Mingo Creek accepts drainage from Turkey Creek, Boggy Swamp, and Indiantown Swamp (James Branch, Pointer Stump Branch). Further downstream, Black Mingo Creek accepts drainage from Wilson Lake, Gully Branch, Headless Creek, Snow Branch, and Campbell Swamp (Hickory Nut Branch). Johnson Branch enters the system next, followed by Walden Branch, Poplar Hill Branch (Caney Branch, Waterman Branch, Hughs Branch), Rome Branch, Burnett Swamp, and Jacks Creek. Further downstream, Browns Branch (Squirrel Run, Church Branch, Pittman Branch) flows into Black Mingo Creek followed by Peters Creek, Smith Swamp (Black Steer Swamp, McGinney Creek), Cold Creek, Mingo Swamp, and Schoolhouse Branch. The Black Mingo Creek flows into the Black River. There are a total of 219.6 stream miles and 223.3 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>
PD-360	W/INT	FW	BLACK MINGO CREEK AT S-45-121
RS-09317	RS09	FW	CAMPBELL SWAMP AT BRIDGE ON S-45-24
PD-361	S/INT	FW	BLACK MINGO CREEK AT COWHEAD LANDING OFF SC 51
RS-06189	RS06	FW	SMITH SWAMP AT BRIDGE ON SC51, 12.2 MI S OF HEMINGWAY

Black Mingo Creek - There are two SCDHEC monitoring sites along Black Mingo Creek. At the upstream site (**PD-360**), aquatic life uses are not supported due to dissolved oxygen excursions. In addition, there are significant increasing trends in turbidity and total phosphorus concentration. Recreational uses are partially supported due to fecal coliform bacteria excursions. At the downstream site (**PD-361**), aquatic life and recreational uses are fully supported; however, there is a significant decreasing trend in dissolved oxygen concentration at this site. Although dissolved oxygen excursions occurred, they were typical of values seen in blackwater systems and were considered natural, not standards violations. A significant decreasing trend in total phosphorus concentration suggests improving conditions for this parameter.

Campbell Swamp (RS-09317) - Aquatic life and recreational uses are fully supported.

Smith Swamp (RS-06189) - Aquatic life uses are not supported due to dissolved oxygen excursions. Recreational uses are fully supported.

*A fish consumption advisory has been issued by the Department for mercury and includes **Black Mingo Creek** within this watershed (see advisory p.75).*

Groundwater Quantity

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

NPDES Program

Active NPDES Facilities

*RECEIVING STREAM
FACILITY NAME*

*NPDES#
TYPE*

BLACK MINGO CREEK
HOUSE OF RAEFORD FARMS, INC.

SCG250291
MINOR INDUSTRIAL

Nonpoint Source Management Program

Land Disposal Activities

Land Application Sites

*LAND APPLICATION SYSTEM
FACILITY NAME*

*ND#
TYPE*

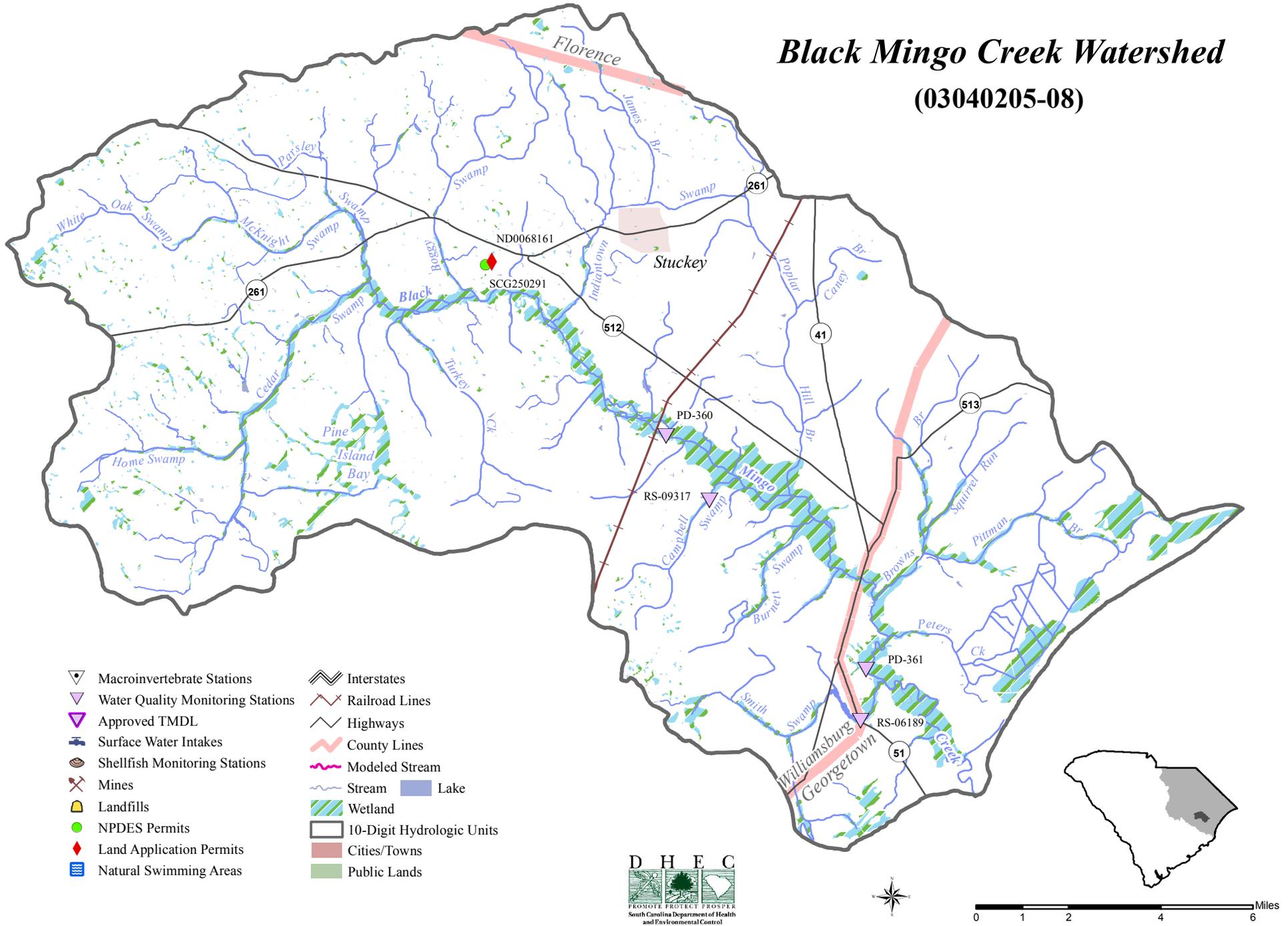
SPRAYFIELD
HOUSE OF RAEFORD FARMS, INC.

ND0068161
INDUSTRIAL

Growth Potential

There is a low potential for growth in this watershed, which contains the Town of Stuckey. Water infrastructure is available around the Town of Stuckey, but there is no sewerage infrastructure available in the watershed. The Williamsburg County Master Wastewater Plan lists the Stuckey to Hemingway corridor and the South Hemingway area as designated Priority Areas for Economic Development. Sewerage infrastructure would be the main investment to stimulate the economic development and potential growth in the area. Agriculture and timberlands remain the primary land uses.

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

