

## 03050210-01

(*Trenchards Inlet/Fripp Inlet/Harbor River*)

### General Description

Watershed 03050210-01 (formerly a portion of 03050208-100) is located in Beaufort County and consists primarily of the **Harbor River** and tributaries that drain directly to the Atlantic Ocean. The watershed occupies 46,481 acres of the Coastal Zone region of South Carolina. Land use/land cover in the watershed includes: 47.7% is nonforested wetland (marsh), 25.9% is water, 14.2% is forested land, 3.8% is agricultural land, 3.4% is forested wetland (swamp), 2.5% is urban land, and 3.1% is barren land. A map depicting this watershed is found in Appendix D, page D-11.

The Harbor River (Club Bridge Creek, Johnson Creek, Ward Creek) joins Station Creek (Scott Creek) and flows into Trenchards Inlet (Story River, Skull Creek, Turtle Creek, Moon Creek) to the Atlantic Ocean. The Harbor River also flows into St. Helena Sound. The Story River connects Trenchards Inlet to Fripp Inlet. Old House Creek also drains into Fripps Inlet. Station Creek connects the Beaufort River Watershed to Trenchards Inlet. Skull Creek connects Trenchards Inlet to Skull Inlet. Pritchards Inlet connects to Trenchards Inlet via Moon Creek. Trenchards Inlet, Pritchards Inlet, Skull Inlet, and Fripps Inlet drain directly to the Atlantic Ocean. There are a total of 7,682.7 estuarine acres in this watershed. The Harbor River, Johnson Creek, and Fripps Inlet are classified ORW and the remaining streams are classified SFH. Hunting Island State Park is a natural resource in this watershed, located between Fripps Inlet and St. Helena Sound.

### Surface Water Quality

<u>Station #</u>	<u>Type</u>	<u>Class</u>	<u>Description</u>
RO-06310 RO06		SFH	TRENCHARDS INLET, 0.6 MI E OF MOUTH OF MORSE CREEK
RT-02002 RT02		SFH	SKULL CREEK, 1.0 MI E OF CONFLUENCE WITH TRENCHARDS INLET
RT-06018 RT06		SFH	TRENCHARDS INLET TRIBUTARY, 7.7 MI SE OF PORT ROYAL
RO-056096 RO05		SFH	STORY RIVER, 2.2. MI NE OF CONFLUENCE WITH TRENCHARDS INLET
MD-256	INT	SFH	UNNAMED CREEK BETWEEN HARBOR RIVER AND STORY RIVER
RO-046074 RO04		SFH	STATION CREEK BETWEEN PORT ROYAL SOUND AND TRENCHARDS INLET
RT-032056 RT03		SFH	SCOTT CREEK TRIBUTARY, 1.0 MI N OF CONFLUENCE WITH STATION CREEK
RT-06006 RT06		ORW	HARBOR RIVER, 4.5 MI SW OF US 21 BRIDGE OVER HARBOR RIVER
RT-042074 RT04		SFH	STORY RIVER TRIBUTARY, 2 MI W OF RUSS POINT
RT-052096 RT05		SFH	UNNAMED CREEK FROM FRIPP ISLAND TO OLD HOUSE CREEK
RO-02006 RO02		SFH	OLD HOUSE CREEK, 0.4 MI W OF CONFLUENCE WITH FRIPP INLET

***Trenchards Inlet (RO-06310)*** – Aquatic life and recreational uses are fully supported.

***Skull Creek (RT-02002)*** - Aquatic life and recreational uses are fully supported. This is a tidally influenced system, which are often characterized by naturally low dissolved oxygen concentrations. Although dissolved oxygen excursions were noted, they were typical of values seen in such systems and are considered natural, not standards violations.

***Trenchards Inlet Tributary (RT-06018)*** - Aquatic life and recreational uses are fully supported. This is a tidally influenced system, which are often characterized by naturally low dissolved oxygen

concentrations. Although dissolved oxygen excursions were noted, they were typical of values seen in such systems and are considered natural, not standards violations.

***Story River (RO-056096)*** - Aquatic life and recreational uses are fully supported. This is a tidally influenced system, which are often characterized by naturally low dissolved oxygen concentrations. Although dissolved oxygen excursions were noted, they were typical of values seen in such systems and are considered natural, not standards violations.

***Unnamed creek between Harbor River and Story River (MD-256)*** - Aquatic life and recreational uses are fully supported; however, there is a significant increasing trend in fecal coliform bacteria concentration. This is a tidally influenced system, which are often characterized by naturally low dissolved oxygen concentrations. Although dissolved oxygen excursions were noted, they were typical of values seen in such systems and are considered natural, not standards violations. A significant increasing trend in dissolved oxygen concentration suggests improving conditions for this parameter.

***Station Creek (RO-046074)*** - Aquatic life and recreational uses are fully supported.

***Scott Creek Tributary (RT-032056)*** - Aquatic life and recreational uses are fully supported. This is a tidally influenced system, which are often characterized by naturally low dissolved oxygen concentrations. Although dissolved oxygen excursions were noted, they were typical of values seen in such systems and are considered natural, not standards violations.

***Harbor River (RT-06006)*** - Aquatic life and recreational uses are fully supported. This is a tidally influenced system, which are often characterized by naturally low dissolved oxygen concentrations. Although dissolved oxygen excursions were noted, they were typical of values seen in such systems and are considered natural, not standards violations.

***Story River Tributary (RT-042074)*** - Aquatic life and recreational uses are fully supported.

***Unnamed creek from Fripp Island to Old House Creek (RT-052096)*** - Aquatic life and recreational uses are fully supported.

***Old House Creek (RO-02006)*** - Aquatic life and recreational uses are fully supported. This is a tidally influenced system, which are often characterized by naturally low dissolved oxygen concentrations. Although dissolved oxygen excursions were noted, they were typical of values seen in such systems and are considered natural, not standards violations.

## **Shellfish Monitoring Stations**

<b><u>Station #</u></b>	<b><u>Description</u></b>
16B-02	TRENCHARDS INLET AT MOUTH OF STATION CREEK
16B-03	CLUB BRIDGE CREEK AT HARBOR RIVER SOUND
16B-04	STORY RIVER AT FRIPP ISLAND

16B-05	OLD HOUSE CREEK AT FRIPP ISLAND
16B-06	HARBOR RIVER AT MARKER #A13
16B-06F	UNNAMED CREEK IN FRIPP CANAL AT OLD HOUSE CREEK
16B-17	STATION CREEK SSG AT BEAUFORT COUNTY LANDING
16B-20	TWO MILES NORTH OF CONFLUENCE OF STORY RIVER AND TRENCHARDS INLET
16B-21	UNNAMED CREEK BETWEEN HARBOR RIVER AND STORY RIVER
16B-22	SKULL CREEK AT CONFLUENCE WITH CREEK TOWARD PRICHARDS INLET
16B-26	OLD HOUSE CREEK AT 2 TRIBUTARIES NW OF FRIPP ISLAND MARINA
16B-29	MIDWAY STATIONS 3 AND 6 AT CREEK BETWEEN STORY RIVER AND HARBOR RIVER
16B-31	JOHNSON CREEK AT SC HWY 21 BRIDGE
16B-33	SKULL CREEK AT CONFLUENCE WITH TRENCHARDS INLET
16B-34	TRENCHARDS EST. INLET AT CONFLUENCE WITH LARGE TRIBUTARY ON NW SIDE OF SKULL CREEK
16B-35	SKULL CREEK AT CONFLUENCE WITH FIRST MAJOR CREEK ON RIGHT HEADING INLAND FROM SKULL INLET

## NPDES Program

### Active NPDES Facilities

<i>RECEIVING STREAM FACILITY NAME</i>	<i>NPDES# TYPE</i>
HARBOR RIVER TRIBUTARY HENRY FARMS INC. MINOR	SCG731058 INDUSTRIAL

## Nonpoint Source Management Program

### Land Disposal Activities

#### Landfill Facilities

<i>LANDFILL NAME FACILITY TYPE</i>	<i>PERMIT # STATUS</i>
STANSELL WOOD CHIPPING/SHREDDING 072615-3001 COMPOSTING	ACTIVE

### Land Application Sites

<i>LAND APPLICATION SYSTEM FACILITY NAME</i>	<i>ND# TYPE</i>
SPRAY SITES ND0083429 BJW&SA/ST. HELENA WWTP DOMES	TIC
DRAINFIELD ND0080870 SCPRT/HUNTING ISLAND STATE PARK	DOMESTIC

## Growth Potential

There is a low potential for growth in this watershed, with the exception of the area surrounding the City of Beaufort. The City of Beaufort and the Communities of Lady's Island, Burton, and Shell Point are projected to continue experiencing residential and commercial growth. Less than 25% of the total land area of Lady's Island, Burton or Shell Point is suitable for septic system installations; and another 25% or less is classified as marginally suitable. The majority of the watershed includes a collection of sea islands and Hunting Island State Park.

# Salkehatchie Coastal Frontage Basin (03050210-01)

