

03060110-02
(New River)

General Description

Watershed 03060110-02 (formerly 03050208-130 minus a portion to –110-01) is located in Jasper and Beaufort Counties and consists primarily of the *New River* and its tributaries. The watershed occupies 67,139 acres of the Coastal Zone region of South Carolina. Land use/land cover in the watershed includes: 44.5% forested land, 25.2% forested wetland, 16.0% nonforested wetland, 6.3% urban land, 3.8% agricultural land, and 3.6% water. A map depicting this watershed is found in Appendix C, page C-43.

The New River flows out of the Great Swamp Watershed, through Garrett Lake, and accepts drainage from Pickseed Swamp, Brickyard Swamp (Bob Dam Swamp, Turkey Pond, Fourmile Swamp), Fox Pond, and Horse Swamp (Two Bridge Swamp, White Oak Nook Swamp). At the base of the watershed, Ramshorn Creek connects the New River to the Cooper River and the Calibogue Sound Watershed, and Watts Cut connects the New River to the Wright River Watershed. Mungen Creek drains into two locations in the last bend of the New River. There are a total of 34.2 stream miles, 55.4 acres of lake waters, and 2,726.1 acres of estuarine waters in this watershed, all classified SA except for the portion of Ramshorn Creek connected to the watershed that is classified SFH.

Surface Water Quality

<u>Station #</u>	<u>Type</u>	<u>Class</u>	<u>Description</u>
MD-118	W	SA	NEW RIVER AT SC 170, 9MI W OF BLUFFTON
RT-06021	RT06	SA	NEW RIVER, 3.4MI SSE OF SC 170 BRIDGE OVER NEW RIVER
RT-052109	RT05	SA	NEW RIVER, 3MI W OF PAGE ISLAND
RT-042063	RT04	SA	NEW RIVER, 8.5MI SW OF BLUFFTON
MD-258	INT	SFH/SA	RAMSHORN CREEK AT NEW RIVER

New River – There are four SCDHEC monitoring stations along the New River. This is a tidally influenced system, which are often characterized by naturally low pH and dissolved oxygen concentrations. At the furthest upstream site (**MD-118**), aquatic life use is fully supported. Although pH and dissolved oxygen excursions occurred, they were typical of values seen in such systems and were considered natural, not standards violations. There is a significant increasing trend in pH. Recreational uses are partially supported due to fecal coliform bacteria excursions. Further downstream (**RT-06021**), aquatic life use is fully supported. Although pH and dissolved oxygen excursions occurred, they were typical of values seen in such systems and were considered natural, not standards violations. Recreational uses are partially supported due to fecal coliform bacteria excursions. At the downstream sites (**RT-052109**, **RT-042063**), aquatic life and recreational uses are fully supported. Although dissolved oxygen excursions occurred at **RT-052109**, they were typical of values seen in such systems and were considered natural, not standards violations.

Ramshorn Creek (MD-258) – Aquatic life uses are not supported due to occurrences of nickel in excess of the aquatic life chronic criterion. This is a tidally influenced system, which are often characterized by naturally low dissolved oxygen concentrations. Although dissolved oxygen excursions were noted at both sites, they were typical of values seen in such systems and were considered natural, not standards violations. Recreational uses are fully supported.

A fish consumption advisory has been issued by the Department for mercury and includes the New River within this watershed (see advisory p. 111).

Shellfish Monitoring Stations

<u>Station #</u>	<u>Description</u>
19-02A	COOPER RIVER AT NEW RIVER
19-04	COOPER RIVER AT MARKER #41 – DAUFUSKIE ISLAND
19-05	BLOODY POINT AT MUNGEN CREEK
19-07	RAMSHORN CREEK AT NEW RIVER
19-08	FIRST CREEK ON LEFT UP NEW RIVER AT POLLUTION LINE
19-21	2.5 MILES UP NEW RIVER FROM STATION 19-02A
19-23	NEW RIVER AT WATTS CUT

NPDES Program

Active NPDES Facilities

<i>RECEIVING STREAM FACILITY NAME</i>	<i>NPDES# TYPE</i>
NEW RIVER TRIBUTARY BJW&SA/CHERRY POINTE-OKATIE WRF	SC0047279 MAJOR DOMESTIC
NEW RIVER TRIBUTARY JEJ CONSTRUCTION/ SARGAENT JASPER PARK	SCG730399 MINOR INDUSTRIAL
NEW RIVER TRIBUTARY CLELAND SITE PREP/COOLER MINE	SCG730647 MINOR INDUSTRIAL
NEW RIVER TRIBUTARY DRIESSEN EXCAVATING/ DRIESSEN MINE #1	SCG730671 MINOR INDUSTRIAL

Nonpoint Source Management Program

Land Disposal Activities

Land Application Sites

<i>LAND APPLICATION SYSTEM FACILITY NAME</i>	<i>ND# TYPE</i>
GOLF COURSE DAUFUSKIE ISLAND CLUB & RESORT	ND0068179 DOMESTIC

Mining Activities

<i>MINING COMPANY MINE NAME</i>	<i>PERMIT # MINERAL</i>
JEJ CONSTRUCTION CO., INC. SARGAENT JASPER PARK	1436-53 SAND
CLELAND SITE PREP INC. COOLER PIT MINE	1423-53 SAND
TH COBURN CONSTRUCTION LLC MAUREEN PLANTATION MINE	1626-53 SAND
MALPHRUS CONSTRUCTION CO., INC. MONROE MINE	1569-53 SAND
BUNTON HADWIN CONSTRUCTION CO. BELLINGER HILL MINE	1416-53 SAND
DRIESSEN EXCAVATING DRIESSEN MINE #1	1571-53 SAND
LOW COUNTRY LAND SERVICES LLC LOWCOUNTRY MINE #1	1630-53 SAND

Growth Potential

There is a high potential for growth in this watershed, which contains portions of the Towns of Hardeeville and Bluffton. I-95 crosses the Town of Hardeeville and may provide some growth to the area. Beaufort-Jasper Water and Sewer Authority has expanded the wastewater treatment facility, which should promote future growth in the Hardeeville area. Less than 25% of the total land area is suitable for septic system installations; and another 25% or less is classified as marginally suitable. Also, growth in the area tends to be spread out over a large area not served by a sewer system. The Town of Bluffton and the surrounding unincorporated area of Beaufort County experienced substantial growth from 2000 to 2006 and may do so again when the economy and the market recover. Del Webb's Sun City retirement community development near Bluffton has added tremendous residential and commercial growth to the area. Between 25 and 50% of the total land area is suitable for septic system installations; and another 25% or less is classified as marginally suitable. Beaufort-Jasper Water and Sewer Authority has extended water and sewer services to the area to provide for the growth.

New River Watershed

(03060110-02)

