

03050207-08
(Ashepool River)

General Description

Watershed 03050207-08 (formerly 03050208-020) is located in Colleton County and consists primarily of the *Ashepool River* and its tributaries from its origin to Bluehouse Swamp. The watershed occupies 91,357 acres of the Lower Coastal Plain region of South Carolina. Land use/land cover in the watershed includes: 46.8% forested land, 25.6% forested wetland, 17.7% agricultural land, 8.6% urban land, 0.9% nonforested wetland, 0.2% water, and 0.1% is barren land. A map depicting this watershed is found in Appendix B, page B-22.

Jones Swamp Creek (Big Bay, Wolf Creek) joins with Doctors Creek (Perry Creek) near the City of Walterboro to form Great Swamp. Great Swamp joins Ireland Creek (Allen Creek) to form the Ashepool River. The river flows through the Great Swamp braided drainage and accepts drainage from Bluehouse Swamp (Remick Swamp) at the base of the watershed. Bluehouse Swamp also drains into the Combahee River. There are a total of 440.0 stream miles and 333.8 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-03356	RS03/BIO	FW	WOLF CREEK AT S-15-24, 2.7 MI NW OF WALTERBORO
CSTL-044	W	FW	IRELAND CREEK AT S-15-116, 5.5MI N OF WALTERBORO
RS-03520	RS03/BIO	FW	ASHEPOOL RIVER AT UNPAVED S-15-88

Wolf Creek (RS-03356) – Although there were zinc excursions, aquatic life uses are fully supported based on macroinvertebrate community data. This is a blackwater system, characterized by naturally low pH and dissolved oxygen conditions. Although pH and dissolved oxygen excursions occurred, they were typical of values seen in blackwater systems and were considered natural, not standards violations. Recreational uses are fully supported.

Ireland Creek (CSTL-044) – Aquatic life uses are not supported due to dissolved oxygen and pH excursions. Recreational uses are not supported due to fecal coliform bacteria excursions.

Ashepool River (RS-03520) – Although there were zinc excursions, aquatic life uses are fully supported based on macroinvertebrate community data. This is a blackwater system, characterized by naturally low pH and dissolved oxygen conditions. Although pH and dissolved oxygen excursions occurred, they were typical of values seen in blackwater systems and were considered natural, not standards violations. Recreational uses are fully supported.

Groundwater Quality

<u>Well #</u>	<u>Class</u>	<u>Aquifer</u>	<u>Location</u>
AMB-031	GB	MIDDENDORF	WALTERBORO
AMB-094	GB	TERTIARY LIMESTONE	WALTERBORO

All water samples collected from ambient monitoring wells **AMB-031** and **AMB-094** met standards for Class GB groundwater.

NPDES Program

Active NPDES Facilities

<i>RECEIVING STREAM FACILITY NAME</i>	<i>NPDES# TYPE</i>
IRELAND CREEK ASTEN JOHNSON INC.	SCG250037 MINOR INDUSTRIAL
IRELAND CREEK CITY OF WALTERBORO WWTP	SC0040436 MAJOR DOMESTIC
JONES SWAMP CREEK TRIBUTARY PALMETTO CONSTRUCTION/DRIGGERS MINE	SCG730344 MINOR INDUSTRIAL
JONES SWAMP CREEK ALLEN BUTLER ENTERPRISES/PINCKNEY PIT	SCG730667 MINOR INDUSTRIAL
JONES SWAMP CREEK JR WILSON CONSTRUCTION/BEACH MINE	SCG730677 MINOR INDUSTRIAL
JONES SWAMP CREEK BRUCE GILLISPIE/GILLISPIE POND	SCG730633 MINOR INDUSTRIAL
IRELAND CREEK JH HIERS CONSTRUCTION/NETTLES PIT #2	SCG730493 MINOR INDUSTRIAL
GREAT SWAMP TRIBUTARY WOOD BROTHERS/WALKER PIT	SCG730708 MINOR INDUSTRIAL
DOCTORS CREEK TRIBUTARY JH HIERS CONSTRUCTION/HIOTT PIT	SCG730492 MINOR INDUSTRIAL
GREAT SWAMP TRIBUTARY WOOD BROTHERS/FRIPP MINE	SCG730345 MINOR INDUSTRIAL

Nonpoint Source Management Program

Land Disposal Activities

Land Application Sites

<i>LAND APPLICATION SYSTEM FACILITY NAME</i>	<i>ND# TYPE</i>
SPRAYFIELD ND0067423 BENNETT TRAILER PARK DOMES	TIC

Landfill Facilities

<i>LANDFILL NAME FACILITY TYPE</i>	<i>PERMIT # STATUS</i>
COLLETON CO. SANITARY LANDFILL DOMESTIC INACTIVE	-----
COLLETON COUNTY LANDFILL #2 DOMESTIC INACTIVE	-----

COLLETON CO. SANITARY LANDFILL #2 DOMESTIC INACTIVE	-----
COLLETON COUNTY LANDFILL #3 DOMESTIC INACTIVE	-----
COLLETON COUNTY LANDFILL #4 DOMESTIC INACTIVE	-----
COLLETON COUNTY TRANSFER STATION TRANSFER STATION ACTIVE	151001-6002
CMEG INC. SOLID WASTE PROCESSING SWP-INDUSTRIAL ACTIVE	152609-2001
AMERICAN BIO-MASS PROCESSING FACILITY SWP-INDUSTRIAL ACTIVE	152630-2001






















Mining Activities

<i>MINING COMPANY MINE NAME</i>	<i>PERMIT # MINERAL</i>
REA CONSTRUCTION COMPANY 0602-29 MINE #9 SAND	
JR WILSON CONSTRUCTION CO., INC. BEACH MINE SAND	1576-29
PALMETTO CONSTRUCTION CO., INC. DRIGGERS MINE SAND;	1300-29 SAND/CLAY
NETTLES SAND COMPANY, INC. 1071-29 NETTLES PIT #2 SAND	
BRUCE W. GILLISPIE 1260-29 GILLISPIE POND SAND/CLAY	
COLLETON COUNTY 1668-29 SIMMONS BORROW PIT SAND/CLAY	
ALLEN BUTLER ENTERPRISES 1570-29 PICKNEY PIT SAND	
JH HIERS CONSTRUCTION LLC 1582-29 HIOTT PIT SAND	
WOOD BROTHERS CONSTRUCTION 1193-29 WALKER PIT SAND/CLAY	
LOWCOUNTRY SAND & GRAVEL INC. WALKER MINE SAND	1264-29
WOOD BROTHERS CONSTRUCTION 0881-29 FRIPP MINE SAND	
LOWCOUNTRY CONCRETE OF RIDGELAND INC. 1641-29 LOWCOUNTRY SAND MINE SAND	

Growth Potential

There is a low to moderate potential for growth in this watershed, which contains a large portion of the City of Walterboro. Existing rail lines, the new Colleton County Commerce Park outside of Walterboro, and the city's proximity to I-95 make industrial growth a possibility in this watershed.

Ashepoo River Watershed (03050207-08)

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

