

**03060102-04**  
**(Tugaloo River)**

**General Description**

The South Carolina portion of watershed 03060102-04 (formerly a portion of 03060102-060) is located in Oconee County and consists primarily of the upper **Tugaloo River** and its tributaries from its origin to the Chauga River. The Tugaloo River watershed extends into Georgia. There are 83,089 acres in the extended watershed; 56,078 acres or 67.5% are outside of South Carolina. The South Carolina portion is within the Blue Ridge physiographic region. Land use/land cover in the South Carolina portion of the watershed includes: 82.3% forested land, 10.0% agricultural land, 3.1% urban land, 3.6% water, 0.5% forested wetland (swamp), and 0.5% barren land. A map depicting this watershed is found in Appendix A, page A-31.

The Tugaloo River is formed by the confluence of the Tallulah River in Georgia and the Chattooga River. Streams flowing into the river from the Georgia side are connoted with an asterisk. Downstream of the confluence, the Tugaloo River accepts drainage from Battle Creek (Daniel Branch) and Moccasin Creek\* before flowing through Lake Yonah. Downstream of Yonah Dam, the Tugaloo River accepts drainage from Panther Creek\*, Brasstown Creek (Devil Hole Branch, Wallace Branch, Big Branch, Double Branch, Little Brasstown Creek, Joe Branch, Porter Branch, Boatwright Creek, Mill Branch), Rothwell Creek\*, Cherry Cove Branch, and Rocky Branch\*. The Tugaloo River begins to impound as an arm of Lake Hartwell and accepts drainage from Prather Creek\*, Barton Creek (Drummond Creek), Longnose Creek (East Longnose Creek), Gryer Branch, Ramsey Pond, and Ward Creek\*. There are a total of 259.7 stream miles and 2,288.6 acres of lake waters within the extended watershed. All streams in the watershed are classified FW, with the exception of Battle Creek and Brasstown Creek and their tributaries, which are classified TPGT. The upper portion of the watershed resides in the Sumter National Forest.

**Surface Water Quality**

<u>Station #</u>	<u>Type</u>	<u>Class</u>	<u>Description</u>
RL-04376	RL04	FW	LAKE YONAH, 0.65 MI NNE OF SPILLWAY
SV-358	W	FW	LAKE YONAH, ½ WAY BETW. CENTER OF SPILLWAY AND OPPOSITE SHORE
RL-06444	RL06	FW	LAKE HARTWELL, 8.9 MI WSW OF WESTMINSTER
SV-200	INT	FW	TUGALOO RIVER ARM OF LAKE HARTWELL AT US 123

**Lake Yonah** – There are two SCDHEC monitoring stations along Lake Yonah. At the uplake site (**RL-04376**), aquatic life and recreational uses are fully supported. At the downlake site (**SV-358**), aquatic life uses are partially supported due to pH excursions. There are also increasing trends in five-day biochemical oxygen demand and total nitrogen concentration. Recreational uses are fully supported.

*Lake Hartwell (RL-06444)* – Aquatic life and recreational uses are fully supported.

*Tugaloo River Arm of Lake Hartwell (SV-200)* - Aquatic life and recreational uses are fully supported; however, there is an increasing trend in five-day biochemical oxygen demand. A significant decreasing trend in total phosphorus concentration suggests improving conditions for this parameter.

*A fish consumption advisory has been issued by the Department for mercury and includes Lake Yonah and Lake Hartwell within this watershed (see advisory p. 38).*

### **Growth Potential**

There is a low potential for growth in this watershed. A substantial portion of the watershed resides within the Sumter National Forest and the steep slopes of this region would limit establishment of infrastructure and any serious growth.

# Chauga River/ (Upper) Tugaloo River Watersheds (03060102-03, 04)

- ▽ 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
- 🌿 Wetland
- 🌊 Lake
- 📏 10-Digit Hydrologic Units
- 🏘️ Cities/Towns
- 🌲 Public Lands

