



City of Chattanooga
Water Quality Program



Welcome to the Wolftever Creek Watershed

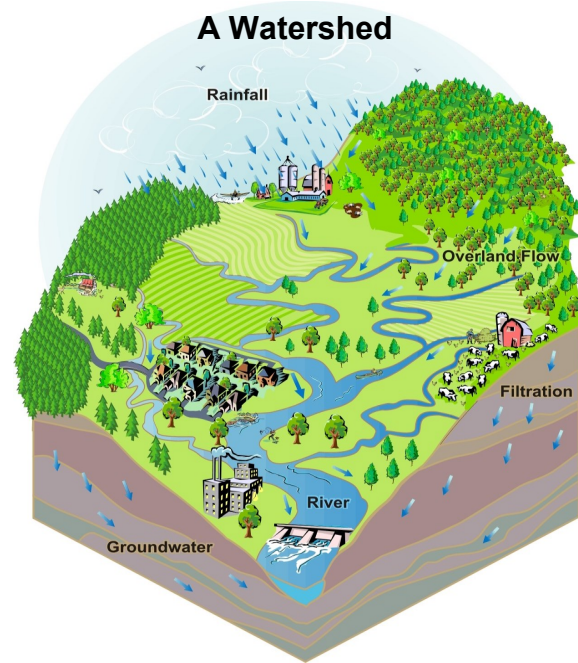
What is a Watershed?

A watershed is an area of land that water flows across on its way to a particular body of water such as a pond, stream, river or ocean. In Chattanooga, all the watersheds drain to the Tennessee River.

Watersheds:

- Collect and move rain water from a higher elevation to a lower one.
- Can potentially transport pollutants such as oil, grease, trash and dirt by way of stormwater runoff to the receiving water body.

We all live in a watershed. The City of Chattanooga consists of 9 unique watersheds: Chattanooga Creek, Citico Creek, Combined Sewer Area, Lookout Creek, Mountain Creek, North Chickamauga Creek, South Chickamauga Creek, Tennessee River, and Wolftever Creek.



Where am I?

The soils in Wolftever Creek Watershed are 430 million years old and up to 2000 feet deep in some areas!

Chattanooga's Watersheds



| | | |
|-------------------|-------------------------|---------------------|
| Mountain Creek | Citico Creek | Wolftever Creek |
| Lookout Creek | South Chickamauga Creek | Tennessee River |
| Chattanooga Creek | North Chickamauga Creek | Combined Sewer Area |

Wolftever Creek Watershed Facts:

- Wolftever Creek meanders .9 miles through the City of Chattanooga
- The watershed drains approximately 2,199 acres
- With a 1 inch rain, nearly 59,712,274 gallons of water discharge into the Tennessee River equaling 1,194,245 baths.

Wow— that's a lot of water!

- To report illicit discharges (water pollution) call (423) 643-6311
- Visit our website www.chattanooga.gov/waterquality

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Water Quality Issues in the Wolftever Watershed

- Habitat Loss
- Pathogens
- Urban influences (i.e. trash, pet waste, grass clipping, motor oil, and gasoline)



What is the City doing to manage the water quality issues in the Wolftever Watershed?

Monitoring —

- A continuous field screening program is being used to detect illicit discharges and improper disposals into the stormwater system. Field screening involves testing chemical characteristics such as temperature, pH, conductivity, dissolved oxygen, phosphates, chlorine, detergents, phenol, copper, ammonia, and hydrogen sulfide. There are 3 field screening sites within the Wolftever Creek Watershed.
- The City also designed the Stream Corridor Evaluation (SCORE) program to provide a comprehensive and consistent approach to identify and evaluate stream channel stability, sediment loading, and in-stream habitat. In doing so, the Water Quality staff surveys all of the waterways within the City including the .9 miles of stream in the Wolftever Creek Watershed.

Pathogen Reduction —

The Water Quality Program has partnered with Moccasin Bend Waste Water Treatment Authority and implemented a Sanitary Lateral Assessment Program (SLAP) to identify breaks in the sanitary sewer lines in an effort to eliminate potential sources of pathogens from contaminating our waterways. A sewer lateral is the pipe that carries the wastewater from the house to the sanitary sewer main line in the street. The sewer laterals are inspected by putting smoke in a public sewer main and observing if the smoke is escaping from the ground; indicating a comprised sewer lateral.

What can I do to improve water quality in the Wolftever Watershed?

- Maintain vehicles to reduce the discharge of oil and other motor fluids to the watershed.
- Wash cars in grassy areas to prevent runoff of washing chemicals into the storm drains.
- Do not discard your used motor oil, leaves, paint, or anything else into storm drains.
- To avoid blockages in your sanitary service line, pour grease and/or cooking oil in closed containers to be disposed of in your trash cans instead of in the sink.
- Pick-up after your pet to reduce pathogens in the watershed.
- Dispose of your grass clippings/wood debris through composting or the brush pick-up service offered by the City.



Additional Resources:

TN Department of Environment & Conservation (TDEC): www.state.tn.us/environment/wpc/
 Environmental Protection Agency (EPA): www.epa.gov/owow/watershed/
 Center for Watershed Protection: <http://www.cwp.org/>

