

Griers Creek watershed (051002-05-230)

Geography. The Griers Creek watershed is in west-central Woodford County. The land is in the inner subregion of the Bluegrass physiographic region, characterized by undulating terrain and moderate rates of both surface runoff and groundwater drainage. The watershed lies above thick layers of easily dissolved limestone that form carbonate aquifers. Groundwater flows through channels in the limestone, so caves and springs are common in regions with this geology.

Waterways. Griers Creek empties into the Kentucky River just above Tyrone. Its several branches drain the area south of downtown Versailles.

Land and water use. Land in the watershed is about 80% agricultural, more than 10% rural and wooded, and the remainder residential, commercial, or industrial. Four businesses and organizations hold permits for discharges into the creeks. See the 2000 Assessment Report for full details.

Agency data assessment. The assessed creek segment in this watershed only partially supports its designated uses, based on biological and/or water-quality data. A variety of factors contribute to the impairment of these streams. See the 2000 Assessment Report or 2000 305(b) list and the 2002 303(d) list of impaired streams for full details.

Kentucky River Basin Management Plan, 2002. Information is from the first basin cycle (1997-2002), including the 1998-1999 monitoring effort and the 2000 Assessment Report. See kywatersheds.org or www.uky.edu/WaterResources/Watersheds for the complete Assessment Report and Management Plan.

Watershed Restoration Ranking			Watershed Protection Rank	Overall Watershed Rank	Framework Mobilization Category
<i>Observed Impacts</i>	<i>Potential Impacts</i>	<i>Combined Rank</i>			
Medium	Medium	Medium	Medium	Medium	III

Watershed Highlights

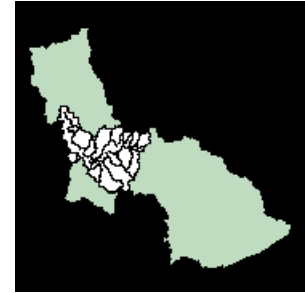
Watershed covers 16 square miles.

Part of source water protection zones 1, 2, and 3 for the Lawrenceburg and Versailles water systems.

Aquatic life partially impaired by sedimentation, over-enrichment, and habitat alteration in Griers Creek from its mouth to an unnamed tributary 3.4 miles upstream (2nd priority TMDL 2002).

Groundwater is substantially more sensitive than the basin average.

Livestock density is substantially higher than the basin average.



Palisades Region



See the color map of this region on p. 133.

LEGEND

Area of this watershed



Sewage plants



Public water supplies



Other water withdrawals



Locks & dams



Cities and towns



Rivers and larger streams



Smaller streams



County borders

