

Shaker Creek watershed (051002-05-210)

Geography. The Shaker Creek watershed covers east-central Mercer 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. Shaker Creek empties into the Kentucky River just above Mundys Landing. Among the creeks that feed it is Shawnee Run.

Land and water use. Land in the watershed is 95% agricultural, and most of the rest is rural and wooded. One organization holds a permit for discharge into the creeks. See the 2000 Assessment Report for full details.

Agency data assessment. No creeks were assessed in this watershed.

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>			
Low	Medium	Low	Medium	Low	IV

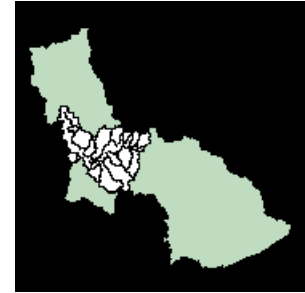
Watershed Highlights

Watershed covers 26 square miles.

Groundwater is substantially more sensitive than the basin average.

Livestock density is substantially higher than the basin average.

Population without access to public sewers 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 

