

Clarks Creek watershed (051002-05-380)

Geography. The Clarks Creek watershed covers central Grant County. The land is in the hills of the bluegrass subregion of the Bluegrass physiographic region, characterized by hilly terrain, very rapid surface runoff, and slow groundwater drainage. Parts of the watershed lie over interbedded shales and limestones (these are 20% limestone; water conduction is poor because of the clay content of the shale). Other areas are underlain by interbedded limestones and shales (>20% limestone, allowing groundwater flow where the clay content is low enough).

Waterways. Clarks Creek empties into Eagle Creek at northeast of Jonesville. Among the creeks that feed Clarks Creek are Steammill Branch, Panther Run, Williams Branch, Clay Lick, and Jacks Lick.

Land and water use. Land in the watershed is about 70% agricultural, 20% rural and wooded, and 10% residential or commercial. Three businesses and organizations hold permits for discharges into the creeks. See the 2000 Assessment Report for full details.

Agency data assessment. The assessed creek segments in this watershed include one (Steammill Branch) that only partially supports its designated uses, based on biological and/or water-quality data. Un-ionized ammonia from municipal point sources contributes to the impairment of the stream. 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>			
Low	Medium	Low	Low	Low	IV

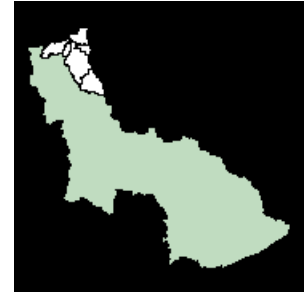
Watershed Highlights

Watershed covers 32 square miles.

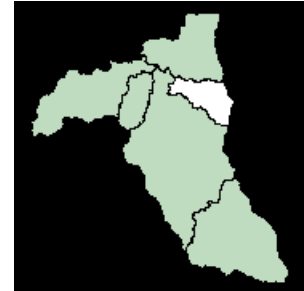
Williamstown discharges treated sewage into the watershed.

Aquatic life partially impaired near the Williamstown sewage treatment plant [2000 305(b)].

The potential for agricultural erosion is substantially higher than the basin average.



Eagle Creek Region



See the color map of this region on p. 139.

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 

