

Eagle Creek watershed above Tenmile Creek (051002-05-370)

Geography. The Eagle Creek above Tenmile Creek watershed covers western Grant County and eastern Owen County, and includes part of Scott County as well. 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. The watershed lies above interbedded limestones and shales (>20% limestone, allowing groundwater flow where clay content is low enough).

Waterways. This watershed includes the section of Eagle Creek between the mouth of Lytles Fork (just over the Scott County line in Owen County) and the mouth of Tenmile Creek close to Folsom in Grant County. Among the creeks that feed it are Caney Creek, Red Oak Creek, Dickey Fork, Paynes Run, Elk Creek, Three Forks Creek, Musselman Creek, Grassy Run, Straight Fork Creek, and Statlers Run. The watershed also receives the water from the Lytles Fork & Eagle Creek headwaters, Clarks Creek, and Brush Creek watersheds.

Land and water use. Land in the watershed is more than 50% agricultural and more than 40% rural and wooded; residential areas make up 3%. Six businesses and organizations hold permits for discharges into the creeks. See the 2000 Assessment Report for full details.

Agency data assessment. The fourteen assessed creek segments in this watershed include one that does not support its designated uses, based on biological and/or water-quality data. Seven others only partly support their uses. Siltation, nutrient and organic enrichment, and habitat modifications 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>			
Low	High	Low	Low	Low	III

Watershed Highlights

Watershed covers 187 square miles.

Contains reservoir for Elk Lake Water Company.

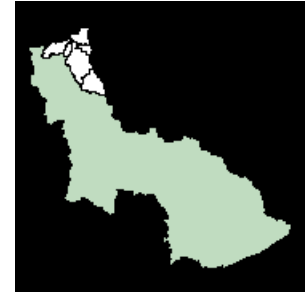
Owenton discharges treated sewage into the watershed.

Aquatic life is impaired by Rattlesnake Creek [unspecified sources; 2000 305(b)].

Aquatic life partially impaired by sedimentation and over-enrichment in Eagle Creek between Brush Creek and Clarks Creek and between Three Forks Creek and Elk Creek (2nd priority TMDL 2002).

Aquatic life partially impaired in Three Forks Creek by sedimentation, in Stevens Creek by sedimentation and overenrichment, in Elk Creek by sedimentation, in Richland Creek by sedimentation and flow alteration, and in Grassy Run by salinity (2nd priority TMDL 2002).

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

