

Frozen Creek watershed (051002-01-170)

Geography. The Frozen Creek watershed lies along the northern edge of Breathitt County. The land is in the Eastern Kentucky Coal Field physiographic region, characterized by mountainous terrain, rapid surface runoff, and moderate rates of groundwater drainage. The watershed is underlain by coals, sandstones, and shales: this geology is generally conducive to productive wells, although water quality may be low for wells that draw from coal layers.

Waterways. Frozen Creek empties into the North Fork Kentucky River north of Jackson. Among the creeks that feed it are Cope Fork and Clear Fork.

Land and water use. Land in the watershed is rural and wooded. No businesses or 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 (Cope Fork) that only partially supports its designated uses, based on biological and/or water-quality data. Siltation 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>			
High	Low	High	Low	Medium	IV

Watershed Highlights

Watershed covers 40 square miles.

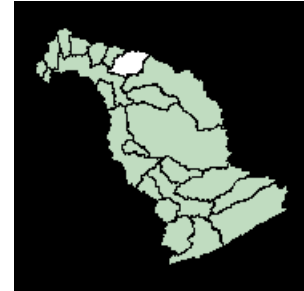
Aquatic life partially impaired by sedimentation and habitat alteration in Cope Fork between its mouth and Cockrill Creek (2nd priority TMDL 2002).

Watershed Watch focused sampling showed high fecal coliform readings in the watershed.

Watershed is in PRIDE service region.



North Fork Region



See the color map of this region on p. 121.

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