

## Line Fork watershed (051002-01-040)

**Geography.** The Line Fork watershed covers southwestern Letcher 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.** Line Fork empties into the North Fork Kentucky River at Ulvah. Among the creeks that feed it are Turkey Creek, Defeated Creek, and Shipley Branch.

**Land and water use.** Land in the watershed is nearly all rural and wooded. 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 that only partially supports its designated uses, based on biological and/or water-quality data. Septic tanks and land disposal of waste contribute to 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](http://kywatersheds.org) or [www.uky.edu/WaterResources/Watersheds](http://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	Medium	High	IV

## Watershed Highlights

Watershed covers 65 square miles.

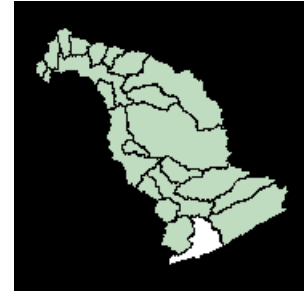
Part of source water protection zone 3 for the Hazard water system.

Pathogens partially impair contact recreation in Line Fork above Defeated Creek [listed 2000 305(b)].

Watershed is in PRIDE service region. PRIDE identified 138 straight pipes or failing septic systems in the watershed.



North Fork Region



See the color map of this region on p. 119.

### 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 

