


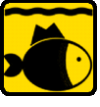
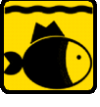


Assessment Summary

Right Fork Beaver Creek 0.0 to 17.45 KY501863_01	 <p>This part of the stream partially supports aquatic life, does not support swimming (Primary Contact Recreation), does not support fishing/wading/boating (Secondary Contact Recreation).</p>
Mouth to Jones Fork	
Floyd County, Big Sandy River Basin	
HUC 05070203	
Assessment Date: 12/17/2009	


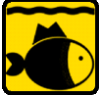




Use	Cause of Impairment	Suspected Source(s) of Impairment	Basis for Listing	Data Collection and Analysis Methods ^{1,2,3}
 (5-PS)	Nutrient/Eutrophication Biological Indicators	Inappropriate Waste Disposal, Loss of Riparian Habitat	Problems associated with nutrient enrichment are evident in water quality conditions and/or the aquatic community	Physical/Chemical Monitoring
 (5-PS)	Organic Enrichment (Sewage) Biological Indicators	Inappropriate Waste Disposal, Loss of Riparian Habitat	Problems associated with decaying plant and animal material (e.g. waste) are evident in water quality conditions and/or the aquatic community	Physical/Chemical Monitoring
 (5-PS)	pH	Acid Mine Drainage, Coal Mining, Petroleum/natural Gas Activities	Concentrations did not meet the water quality standard	Physical/Chemical Monitoring
 (5-PS)	Sedimentation/Siltation	Channelization, Coal Mining, Loss of Riparian Habitat, Petroleum/natural Gas Activities, Post-development Erosion and Sedimentation, Silviculture Activities	Sediment deposition is negatively affecting the aquatic community (e.g. habitat smothering) and/or recreation	Physical/Chemical Monitoring

¹Data locations: Physical/chemical monitoring data and pathogen data can be found on the EPA Water Quality Portal; chemical monitoring data for regulated facilities (e.g. wastewater and drinking water) can be found in the EPA ECHO database (online); biological monitoring summary scores and habitat assessment scores can be found in the EPA STORET database (online); and raw community species data and fish tissue analysis data are available on request through KDOW Open Records (expected in STORET 2015).

²Data Source(s): EKU, KDOW NPS, KDOW TMDL

³Data Collection Date(s): 3/14/2007 - 4/4/2008

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 (5-PS)	Specific Conductance	Coal Mining, Petroleum/natural Gas Activities	Elevated dissolved substances are negatively affecting the aquatic community	Physical/Chemical Monitoring
 (5-PS)	Total Dissolved Solids	Coal Mining, Petroleum/natural Gas Activities	Elevated dissolved substances are negatively affecting the aquatic community	Physical/Chemical Monitoring
 (4A-NS)	Escherichia coli (TMDL exists for this cause)	Inappropriate Waste Disposal	Concentrations exceeded the water quality standard	Pathogen Monitoring
 (5-NS)	pH	Acid Mine Drainage, Coal Mining	Concentrations did not meet the water quality standard	Pathogen Monitoring
 (4A-NS)	Fecal Coliform (TMDL exists for this cause)	Inappropriate Waste Disposal	Concentrations exceeded the water quality standard	Monitoring data more than 5 years old, Pathogen Monitoring, Physical/Chemical Monitoring
 (5-NS)	pH	Acid Mine Drainage, Coal Mining, Petroleum/natural Gas Activities	Concentrations did not meet the water quality standard	Monitoring data more than 5 years old, Pathogen Monitoring, Physical/Chemical Monitoring

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