Assessment Summary

Plum Creek 0 to 1.65 **KY500964_01**	 This part of the stream does not support aquatic life, partially supports swimming (Primary Contact Recreation).
Mouth to UT of Plum Creek	
Muhlenberg County, Green River Basin	
HUC 05110003	
Assessment Date: 11/25/2013	

Use	Cause of Impairment	Suspected Source(s) of Impairment	Basis for Listing	Data Collection and Analysis Methods[1,2,3]
(5-PS)	Escherichia coli	Inappropriate Waste Disposal, Upstream Source	Concentrations exceeded the water quality standard	Pathogen Monitoring
(5-NS)	Cadmium	Legacy coal extraction, Non-Point Source	Concentrations exceeded the water quality standard	Physical/Chemical Monitoring
(5-NS)	Chloride	Inappropriate Waste Disposal	Concentrations exceeded the water quality standard	Physical/Chemical Monitoring
(5-NS)	Oxygen, Dissolved	Legacy coal extraction, Non-Point Source	Concentrations did not meet the water quality standard	Physical/Chemical Monitoring
(5-NS)	Specific Conductance	Legacy coal extraction, Non-Point Source	Elevated dissolved substances are negatively affecting the aquatic community	Physical/Chemical Monitoring
(5-NS)	Total Dissolved Solids	Legacy coal extraction, Non-Point Source	Elevated dissolved substances are negatively affecting the aquatic community	Physical/Chemical Monitoring

[1] Data 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).

[2] Data Source(s): KDOW

[3] Data Collection Date(s): 11/18/2010 - 10/20/2011

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