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Summary of Basin Characteristics and Facilities

General Land-use Characteristics:

Total Land Area (Acres):	<input type="text" value="44,786"/>	Acres	% of Total		
Residential Area:	<input type="text" value="562"/>		<input type="text" value="1.3"/>	Number of Mine Permits:	<input type="text" value="1"/>
Commercial Area:	<input type="text" value="46"/>		<input type="text" value="0.1"/>	Total Permitted Mining Area (Acres):	<input type="text" value="2"/>
Industrial Area:	<input type="text" value="0"/>		<input type="text" value="0.0"/>	Number of Identified Wetland Areas:	<input type="text" value="5"/>
Agricultural Area:	<input type="text" value="8,065"/>		<input type="text" value="18.0"/>	Total Wetland Area (Acres):	<input type="text" value="3"/>
Rural and Wooded Area:	<input type="text" value="35,913"/>		<input type="text" value="80.3"/>		
Other Land-use Area:	<input type="text" value="159"/>		<input type="text" value="0.4"/>		

Withdrawal and Discharge Sites:

Number of Public Water Supplies and Water Withdrawal Sites:	<input type="text" value="2"/>	Number of KPDES Discharge Permits:	<input type="text" value="0"/>
Surface Water Withdrawals:	<input type="text" value="2"/>		
Groundwater Withdrawals:	<input type="text" value="0"/>		
No. of Potable Water Treatment Facilities:	<input type="text" value="0"/>		

Sampling Site Statistics:

Number of USGS Gaging Stations:	<input type="text" value="0"/>
Number of Kentucky Division of Water Sampling Sites:	<input type="text" value="0"/>
Number of Kentucky Dept. of Fish and Wildlife Sampling Sites:	<input type="text" value="0"/>
Number of US Forest Service Sampling Sites:	<input type="text" value="0"/>
Number of US Army Corps of Engineers Sampling Sites:	<input type="text" value="0"/>
Number of Kentucky River Watershed Watch Sampling Sites:	<input type="text" value="0"/>
Number of Lexington-Fayette Urban Co. Gov. Sampling Sites:	<input type="text" value="0"/>

Watershed Name:

Red Lick Creek

11-Digit Watershed Identity Number:

05100204070

Watershed Indicators and Ranking Categories:

Overall Watershed Ranking:

Protection Ranking

Observed Impacts

Potential Impacts

Restoration Ranking

Medium

Low

Medium

Low

Low

Protection Categories:

Indicator	Value	Units	Range of All Watersheds	Mean of All Watersheds
Wetland Areas	3	Acres	0 - 106	12
Surface Drinking Water Sources	2	No. of sources	0 - 14	2
Ground Drinking Water Sources	0	No. of sources	0 - 17	1
Groundwater Sensitivity	2.58	Score	2 - 5	3.21
KY Dept. of Fish and Wildlife Management Areas	273	Acres	0 - 2951	93
U.S. Forest Service Management Areas	7,506	Acres	0 - 155253	12,600
Kentucky State Park Areas	0	Acres	0 - 1928	42
Nature Preserves Commission Areas	0	Acres	0 - 1430	32
Nature Conservancy Areas	0	Acres	0 - 2473	28
Reference Reach Watersheds	0.00	Score	0 - 100	3.08
Outstanding Resource Watersheds	0.00	Score	0 - 0	0.00
Recognized Stream Resources	0	No. of resources	0 - 8	1
Kentucky Rivers Assessment Scores	0.53	Score	0 - 11	1.80

Observed Impact Categories:**Human Health Impact Categories:**

Indicator	Value	Units	Range of All Watersheds	Mean of All Watersheds
Flood Declarations	3	Number since 1970	0 - 10	4
Water Supply Inadequacy	0.00	Score	0 - 2	0.22
Observed Impacts to Surface Drinking Water	1.00	Score	1 - 1	1.00
Observed Impacts to Fish Consumption	1.00	Score	1 - 1	1.00
Observed Impacts to Primary Water Contact	1.00	Score	1 - 3	1.33
Contamination Sites Impacting Human Health	3	Number of sites	0 - 71	4

Ecological Health Impact Categories:

Indicator	Value	Units	Range of All Watersheds	Mean of All Watersheds
Observed Impacts to Aquatic Life	1.00	Score	1 - 3	1.31
Contamination Sites Impacting Ecological Health	3	Number of sites	0 - 71	4

Potential Impact Categories:

Indicator	Value	Units	Range of All Watersheds	Mean of All Watersheds
Potential Contamination Sites	13	Number of sites	1 - 121	12
Potential Pesticide Loading	16	Est. sales in tons	0 - 45	10
Potential Fertilizer Loading	426	Est. tons applied	0 - 2747	394
Agricultural Erosion Potential	2.77	Est. tons erosion / acre	0 - 9	3.20
Livestock Operations Potential Impact	10,457	Animal units	55 - 43826	7,021
KPDES Discharge Violations	0	Number of violations	0 - 541	39
KY Division of Water Citizen Complaints	6	Number of complaints	0 - 53	9
Toxic Release Inventory	0	Score	0 - 11547626	231,638
Population Change Projection	111	Number of persons	-149 - 11030	448
Population Not on Public Sewer Systems	1,378	Number of persons	12 - 4511	1,114
Mining Area	4	Acres	0 - 6305	355
Surface Water Runoff Potential	66.93	SCS Curve Number	60 - 79	68
KPDES Permitted Discharges	0	Number of sites	0 - 56	6

Watershed Name: Red Lick Creek

11-Digit Watershed Identity Number: 05100204070

Stream and Waterbody Use Support Summary

Total Stream Miles:						
<input type="text" value="49.68"/>	<i>Number of Segments Assessed</i>	<i>Stream Miles Assessed</i>	<i>Miles * Fully Supporting</i>	<i>Miles * Partially Supporting</i>	<i>Miles * Not Supporting</i>	<i>Miles * Threatened</i>
<i>Segments Assessed:</i>	3	17.5	17.5	0.0	0.0	0.0
<i>Designated Uses</i>						
<i>Aquatic Life:</i>	3	17.5	17.5	0.0	0.0	0.0
<i>Primary Contact:</i>						
<i>Fish Consumption:</i>						
<i>Drinking Water:</i>						

* Blank values indicate no assessed segments for this category

Assessed Stream Segments and Waterbodies					
<i>Stream or Waterbody Name *</i>	<i>Starting Milepoint</i>	<i>Ending Milepoint</i>	<i>Segment Length (miles)</i>	<i>Designated Uses *</i>	<i>Overall Level of Support</i>
Red Lick Creek	10.8	17.5	6.7	AL	Fully Supporting
Red Lick Creek	2.8	10.8	8	AL	Fully Supporting
Red Lick Creek	0	2.8	2.8	AL	Fully Supporting

*Abbreviations: AL - Aquatic Life Support, PC - Primary Contact Recreation, SC - Secondary Contact Recreation, FC - Fish Consumption, DW - Drinking Water Supply, UT - Unnamed Tributary

Withdrawal Sites and Discharge Facilities:

Public Water Supplies and Water Withdrawal			
<i>Facility</i>	<i>Origin of Source</i>	<i>Type of Facility</i>	<i>Permit ID Number</i>
BEREA COLLEGE WATER DEPARTMENT	Surface Water	Water Withdrawal Site	0760030