

Watershed Name: Kentucky River

11-Digit Watershed Identity Number: 05100205420

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Summary of Basin Characteristics and Facilities

General Land-use Characteristics:

Total Land Area (Acres):	<input type="text" value="23,214"/>	Acres	% of Total		
Residential Area:	<input type="text" value="1,677"/>	<input type="text" value="7.2"/>		Number of Mine Permits:	<input type="text" value="0"/>
Commercial Area:	<input type="text" value="732"/>	<input type="text" value="3.2"/>		Total Permitted Mining Area (Acres):	<input type="text" value="0"/>
Industrial Area:	<input type="text" value="252"/>	<input type="text" value="1.1"/>		Number of Identified Wetland Areas:	<input type="text" value="11"/>
Agricultural Area:	<input type="text" value="11,300"/>	<input type="text" value="48.7"/>		Total Wetland Area (Acres):	<input type="text" value="7"/>
Rural and Wooded Area:	<input type="text" value="8,481"/>	<input type="text" value="36.5"/>			
Other Land-use Area:	<input type="text" value="783"/>	<input type="text" value="3.4"/>			

Withdrawal and Discharge Sites:

Number of Public Water Supplies and Water Withdrawal Sites:	<input type="text" value="3"/>	Number of KPDES Discharge Permits:	<input type="text" value="9"/>
Surface Water Withdrawals:	<input type="text" value="1"/>		
Groundwater Withdrawals:	<input type="text" value="2"/>		
No. of Potable Water Treatment Facilities:	<input type="text" value="2"/>		

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="1"/>
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 Indicators and Ranking Categories: **Overall Watershed Ranking:**

Protection Ranking	Observed Impacts	Potential Impacts	Restoration Ranking	Low
High	Low	Medium	Low	

Protection Categories:

Indicator	Value	Units	Range of All Watersheds	Mean of All Watersheds
Wetland Areas	7	Acres	0 - 106	12
Surface Drinking Water Sources	1	No. of sources	0 - 14	2
Ground Drinking Water Sources	2	No. of sources	0 - 17	1
Groundwater Sensitivity	2.94	Score	2 - 5	3.21
KY Dept. of Fish and Wildlife Management Areas	0	Acres	0 - 2951	93
U.S. Forest Service Management Areas	0	Acres	0 - 155253	12,600
Kentucky State Park Areas	657	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	7.43	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	2	Number of sites	1 - 121	12
Potential Pesticide Loading	6	Est. sales in tons	0 - 45	10
Potential Fertilizer Loading	320	Est. tons applied	0 - 2747	394
Agricultural Erosion Potential	4.30	Est. tons erosion / acre	0 - 9	3.20
Livestock Operations Potential Impact	3,830	Animal units	55 - 43826	7,021
KPDES Discharge Violations	43	Number of violations	0 - 541	39
KY Division of Water Citizen Complaints	7	Number of complaints	0 - 53	9
Toxic Release Inventory	0	Score	0 - 11547626	231,638
Population Change Projection	79	Number of persons	-149 - 11030	448
Population Not on Public Sewer Systems	470	Number of persons	12 - 4511	1,114
Mining Area	0	Acres	0 - 6305	355
Surface Water Runoff Potential	74.38	SCS Curve Number	60 - 79	68
KPDES Permitted Discharges	9	Number of sites	0 - 56	6

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Stream and Waterbody Use Support Summary

<i>Total Stream Miles:</i>						
<input type="text" value="30.97"/>	<i>Number of Segments</i>	<i>Stream Miles Assessed</i>	<i>Miles * Fully Supportina</i>	<i>Miles * Partially Supportina</i>	<i>Miles * Not Supportina</i>	<i>Miles * Threatened</i>
<i>Segments Assessed:</i>	1	0.0	0.0	0.0	0.0	0.0
<i>Designated Uses</i>						
<i>Aquatic Life:</i>	1	0.0	0.0	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.

<i>Assessed Stream Segments and Waterbodies</i>					
<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>
General Butler State Park Lake	0	0	0	AL	Partially Supporting
<i>*Abbreviations: AL - Aquatic Life Support, PC - Primary Contact Recreation, SC - Secondary Contact Recreation, FC - Fish Consumption, DW - Drinking Water Supply, UT - Unnamed Tributary</i>					

<i>Causes for Nonsupport or Impairment of Designated Uses</i>					
<i>Stream or Waterbody Name *</i>	<i>Starting Milepoint</i>	<i>Ending Milepoint</i>	<i>Segment Length (miles)</i>	<i>Impaired or Threatened Designated Use</i>	<i>Level of Support</i>
General Butler State Park Lake	0	0	0	Aquatic Life Support	Partially Supporting
<i>Possible Causes of Impairment:</i>			<i>Possible Sources For Impairment:</i>		
Organic enrichment/Low DO			Internal nutrient cycling (primarily lakes)		
<i>*Abbreviations: UT - Unnamed Tributary</i>					

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Withdrawal Sites and Discharge Facilities:

<i>Public Water Supplies and Water Withdrawal</i>			
<i>Facility</i>	<i>Origin of Source</i>	<i>Type of Facility</i>	<i>Permit ID Number</i>
CARROLLTON UTILITIES	Groundwater	Water Withdrawal Site	0210067
CARROLLTON UTILITIES	Surface Water	Water Treatment Plant	0210067
GREEN ACRES MOBILE HOMES COURT	Groundwater	Water Treatment Plant	0210606

<i>KPDES Permitted Discharge Facilities</i>			<i>KPDES Site ID Number</i>
<i>Facility</i>	<i>Type of Facility</i>		
CARROLLTON UTIL STP	SEWERAGE SYSTEMS	KY0020265	
GREEN ACRES MHP	OPER OF RES MOBILE HOME SITES	KY0033413	
HARPER, BOBBY L DIST CO INC	PETROLEUM BULK STATIONS & TERM	KY0071757	
INTERSTATE CARRYOUT	GASOLINE SERVICE STATIONS	KY0077844	
KELLEYS SKI SLOPE LIQUORS	LIQUOR STORES	KY0022683	
KTC CARROLL CO MAINT GARAGE	BUS TERMINAL & SERVICE FACILIT	KY0099007	
LAKEVIEW ESTATES MHP	OPER OF RES MOBILE HOME SITES	KY0101826	
WALLACE ANIMAL CLINIC		KY0072567	

Gaging Stations and Sampling Sites:

<i>US Geological Survey and US Army Corps of Engineers Stream Gaging Stations</i>			
<i>Stream Location</i>	<i>Agency</i>	<i>Station ID Number</i>	<i>Sampling Parameter</i>
Goose Creek	USGS	USGS03291545	Flow

<i>KY Dept of Fish and Wildlife Sampling / Assessment Sites</i>					
<i>Stream Segment</i>	<i>Upstream Description</i>	<i>Downstream Description</i>	<i>Total Length of Segment</i>	<i>Upstream Mile Point</i>	<i>Downstream Mile Point</i>
Emily Run	Upstream of Emily Run	Mouth	6.5	3.9	0