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Summary of Basin Characteristics and Facilities

General Land-use Characteristics:

Total Land Area (Acres):	<input type="text" value="15,964"/>	Acres	% of Total		
Residential Area:	<input type="text" value="405"/>		<input type="text" value="2.5"/>	Number of Mine Permits:	<input type="text" value="0"/>
Commercial Area:	<input type="text" value="0"/>		<input type="text" value="0.0"/>	Total Permitted Mining Area (Acres):	<input type="text" value="0"/>
Industrial Area:	<input type="text" value="0"/>		<input type="text" value="0.0"/>	Number of Identified Wetland Areas:	<input type="text" value="1"/>
Agricultural Area:	<input type="text" value="11,441"/>		<input type="text" value="71.6"/>	Total Wetland Area (Acres):	<input type="text" value="1"/>
Rural and Wooded Area:	<input type="text" value="4,122"/>		<input type="text" value="25.8"/>		
Other Land-use Area:	<input type="text" value="0"/>		<input type="text" value="0.0"/>		

Withdrawal and Discharge Sites:

Number of Public Water Supplies and Water Withdrawal Sites:	<input type="text" value="0"/>	Number of KPDES Discharge Permits:	<input type="text" value="0"/>
Surface Water Withdrawals:	<input type="text" value="0"/>		
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="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 Name:

Brush Creek

11-Digit Watershed Identity Number:

05100205400

Watershed Indicators and Ranking Categories:

Overall Watershed Ranking:

Protection Ranking

Observed Impacts

Potential Impacts

Restoration Ranking

Low

Low

Low

Medium

Low

Protection Categories:

Indicator	Value	Units	Range of All Watersheds	Mean of All Watersheds
Wetland Areas	1	Acres	0 - 106	12
Surface Drinking Water Sources	0	No. of sources	0 - 14	2
Ground Drinking Water Sources	0	No. of sources	0 - 17	1
Groundwater Sensitivity	2.44	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	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	1.44	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	1	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	0	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	0	Number of sites	0 - 71	4

Potential Impact Categories:

Indicator	Value	Units	Range of All Watersheds	Mean of All Watersheds
Potential Contamination Sites	1	Number of sites	1 - 121	12
Potential Pesticide Loading	10	Est. sales in tons	0 - 45	10
Potential Fertilizer Loading	127	Est. tons applied	0 - 2747	394
Agricultural Erosion Potential	5.24	Est. tons erosion / acre	0 - 9	3.20
Livestock Operations Potential Impact	2,546	Animal units	55 - 43826	7,021
KPDES Discharge Violations	0	Number of violations	0 - 541	39
KY Division of Water Citizen Complaints	2	Number of complaints	0 - 53	9
Toxic Release Inventory	0	Score	0 - 11547626	231,638
Population Change Projection	66	Number of persons	-149 - 11030	448
Population Not on Public Sewer Systems	295	Number of persons	12 - 4511	1,114
Mining Area	0	Acres	0 - 6305	355
Surface Water Runoff Potential	75.14	SCS Curve Number	60 - 79	68
KPDES Permitted Discharges	0	Number of sites	0 - 56	6

Watershed Name: Brush Creek

11-Digit Watershed Identity Number: 05100205400

Stream and Waterbody Use Support Summary

<i>Total Stream Miles:</i>						
<input type="text" value="24.26"/>	<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	9.7	9.7	0.0	0.0	0.0
<i>Designated Uses</i>						
<i>Aquatic Life:</i>	1	9.7	9.7	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>
Brush Creek	0	9.7	9.7	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*

Watershed Name: Brush Creek

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Withdrawal Sites and Discharge Facilities:

Gaging Stations and Sampling Sites:

<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>
Brush Creek	Sandlick Branch	Mouth	14.2	9.7	0