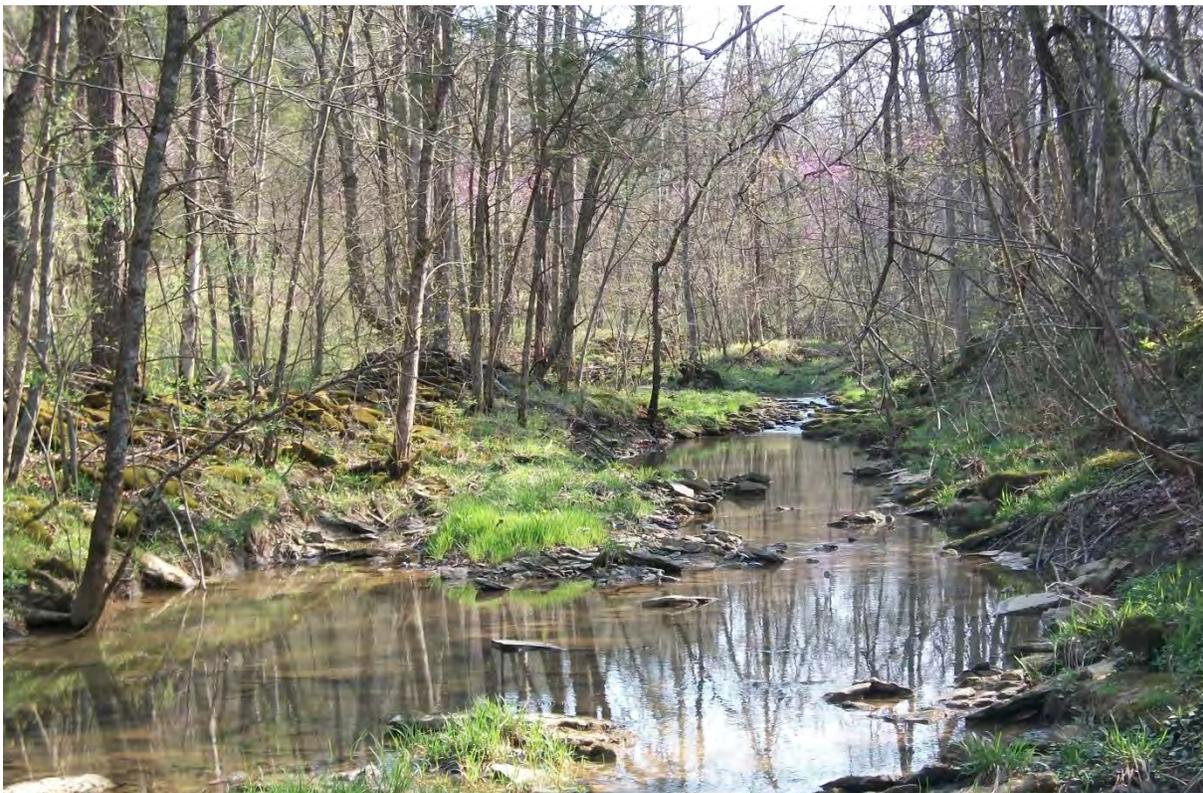


Integrated Report to Congress on the Condition of Water Resources in Kentucky, 2014

Volume I. 305(b) Assessment Results with Emphasis on the Green River – Tradewater River Basin Management Unit and Statewide Update



**Kentucky Energy and Environment Cabinet
Department for Environmental Protection
Division of Water
Water Quality Branch
December 4, 2015**

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Kentucky Energy and Environment Cabinet
Department for Environmental Protection
Division of Water
Water Quality Branch
Frankfort, Kentucky

This report has been approved for release:



Peter Goodmann, Director
Kentucky Division of Water



Date

Integrated Report (IR) Data Usage and Interpretation

- Data used in the analyses presented in this report were of two principle types, data from monitoring programs with specific objectives (targeted monitoring) and data obtained from random designed monitoring of wadeable streams (probabilistic monitoring).
- Random data (probabilistic monitoring), obtained from a defined population of streams, are useful in determining and comparing both current and historic water quality for the defined population. However, this data is only a “snap-shot” at the given time of monitoring.
- The population of streams considered for the probabilistic monitoring program are headwater and wadeable streams. The populations are specific to a basin or basin management unit (BMU) for the IR cycle. Given these data are collected from random streams and locations, these results are representative of the defined area and waterbody population, at a given point in time. The results may be used to extrapolate to the represented population and the general water quality in the defined region; however, even that extrapolation must be used with the understanding it represents a snapshot of conditions in time. A majority of data are collected in watersheds with known water quality problems (targeted monitoring); this monitoring focus is to work toward addressing and improving the water quality in those watersheds.
- Before a plan can be developed to address the causes of impairment in waters listed on the 303(d) list, the specific sources and the extent of water quality negatively affected must be identified (targeted monitoring). This requires extensive watershed monitoring which may lead to additional impaired stream miles. In order to improve water quality where needed, resources must be dedicated to monitor and investigate watersheds of compromised water quality.

ACKNOWLEDGMENTS

Volume I of this report covers year four of the third 5-year cycle of the intensive interagency watershed monitoring effort including work from state, federal and local agencies. The U.S. Army Corps of Engineers, Louisville and Nashville Districts, contributed to monitoring and data submittal on the reservoirs they manage in the Green River – Tradewater River Basin Management Unit. The Kentucky Division of Environmental Program Support provided results for all water quality samples submitted by the Division of Water for chemical analyses. Appreciation goes out to Division of Water staff in the regional offices, without whom it would not be possible to monitor. Particularly those in the basin management units of emphasis: Bowling Green, Madisonville and Columbia, for collecting many of the ambient surface water quality samples. U.S. EPA National Health and Environmental Effects Research Laboratory in Corvallis, Oregon provided the random monitoring design. Thank you to those who have promoted the watershed effort through Kentucky Division of Water. I would like to thank all the staff in Water Quality and Watershed Management branches of Kentucky Division of Water for their dedication to the efforts of monitoring and assessing the waters of the Commonwealth. I appreciate valuable comments made on this report.

Randall G. Payne
Kentucky 305(b) Coordinator
December 4, 2015

Table of Contents

ACKNOWLEDGMENTS.....	iv
Table of Contents	vi
LIST OF TABLES	viii
LIST OF FIGURES	xi
Executive Summary	xiii
I. Section 305(b), Volume I	xiii
General Statewide Level of Combined Designated Use Support	xv
Warm Water and Cold Water Aquatic Habitat Use Support – Streams.	xvii
Statewide	xvii
Primary Contact Recreation Use Support – Streams	xxii
Statewide	xxii
Secondary Contact Recreation Use Support – Streams	xxii
Statewide	xxii
Fish Consumption Use Support – Streams	xxiii
Statewide	xxiii
Domestic Water Supply Use – Streams	xxv
Statewide	xxv
Level of Support for Lakes and Reservoirs for All Applicable Designated Uses	xxv
Statewide	xxv
Aquatic Habitat Designated Uses – Lakes and Reservoirs.....	xxvii
Primary Contact Recreation – Lakes and Reservoirs	xxviii
Secondary Contact Recreation – Lakes and Reservoirs	xxviii
Fish Consumption Use – Lakes and Reservoirs	xxx
Domestic Water Supply – Lakes and Reservoirs.....	xxx
Statewide	xxx
II. Section 303(d), Volume II.....	xxxii
Chapter 1. Introduction	1
Chapter 2. Background.....	3
2.1 Atlas of Kentucky’s Water Resources and Profile of Select Demographic and Physiographic Statistics Atlas of Kentucky	3
2.2 Programmatic.....	6
2.2.1 Overview of Programs Related to Monitoring and Assessment.....	12
2.3 Costs Associated with Water Pollution.....	15

2.4 Monitoring and Assessment Issues Facing the Commonwealth	17
Chapter 3. Surface Water Monitoring and Assessment.....	19
3.1 Monitoring Program - General.....	19
3.1.1 Ambient (Long-Term) Monitoring Network.....	23
3.1.2 Rotating Watershed Network	29
3.1.3 Swimming Advisory Monitoring	32
3.1.4 Biomonitoring and Biosurvey Programs	32
3.1.5 Lake and Reservoir Monitoring	46
3.2 Format of Assessment Results Following Integrated Reporting Guidance	47
3.3 Use Assessment Results.....	50
3.3.1 Statewide Assessment Results (Designated Use Support).....	53
3.3.2 Focused Use Assessment Results for the 2014 305(b) Reporting Cycle	78
3.3.3 The Ohio River.....	88
3.3.4 Assessment Results of Lakes and Reservoirs: Focus on the Green – Tradewater BMU.....	90
3.3.4.1 Assessment of Trophic State and Use Support	91
3.3.4.2 Results.....	92
Literature Cited	104
Appendix A	105
Appendix B	242

LIST OF TABLES

Table 1. Reporting categories assigned to surface waters through the assessment process.	xiii
Table 2. Net increase or decrease in stream (and spring runs) miles that support or do not support designated uses compared to the 2012 reporting cycle, and relative percent change in statewide assessed streams that support or do not support uses. Note these numbers do not include Category 5B.....	xvi
Table 2.2.1-1. Waterbody resources and monitoring programs.....	13
Table 2.3-1. Costs to taxpayers for municipal wastewater treatment facilities (planning, design and construction) for the control of pollution from houses, businesses and industries.	16
Table 3.1-1. Total stream miles (NHD 1:24,000 scale) of respective river basins in the Green – Tradewater BMU.	20
Table 3.1-2. Numbers of streams, stream segments, lakes and reservoirs assessed in the Green – Tradewater BMU and Ohio River during the water years of 2011 and 2012.	21
Table 3.1.1-1. Statewide primary water quality stations with the Green – Tradewater Basin Management Unit highlighted.	26
Table 3.1.1-1 (cont.). Statewide primary water quality stations with the Green – Tradewater Basin Management Unit highlighted.	27
Table 3.1.1-1 (cont.). Statewide primary water quality stations with the Green – Tradewater Basin Management Unit highlighted.	28
Table 3.1.2-1. Green – Tradewater River basin management unit rotating watershed water quality stations, sampled April 2011 – March 2012.	31
Table 3.1.2-2. Green – Tradewater River basin management unit primary watershed water quality stations.	32
Table 3.1.4-1. Reference reach streams in Kentucky with those in bold to emphasize streams in the Green – Tradewater Basin Management Unit.	36
Table 3.1.4-1 (cont). Reference reach streams in Kentucky with those in bold to emphasize streams in the Green – Tradewater Basin Management Unit.	37
Table 3.1.4-1 (cont). Reference reach streams in Kentucky with those in bold to emphasize streams in the Green – Tradewater Basin Management Unit.	38
Table 3.1.4-1 (cont). Reference reach streams in Kentucky with those in bold to emphasize streams in the Green – Tradewater Basin Management Unit.	39
Table 3.1.4-1 (cont). Reference reach streams in Kentucky with those in bold to emphasize streams in the Green – Tradewater Basin Management Unit.	40
Table 3.1.4-1 (cont). Reference reach streams in Kentucky with those in bold to emphasize streams in the Green – Tradewater Basin Management Unit.	41
Table 3.1.4-2. Candidate exceptional streams and segments as defined in 401 KAR 10:030.	42

Table 3.1.4-3. Key to stream names sampled and assessed in the Green – Tradewater basin management unit using probabilistic methodology.....	45
Table 3.1.5-1. Lakes and reservoirs in the Green – Tradewater Basin Management Unit. Water bodies with new (2011 – 2012 water-year) assessment data for this reporting cycle are in bold type.....	48
Table 3.2-1. Assessment and listing categories of water bodies, segments and applicable designated uses of the Integrated Report.	49
Table: 3.3.1-1. Size of surface waters assigned to reporting categories for Kentucky ¹ for the reporting cycle 2014.....	54
Table 3.3.1-2. Net increase or decrease in stream (and spring runs) miles that support or do not support designated uses compared to the 2012 reporting cycle, and relative percent change in statewide assessed streams that support or do not support uses. Note these numbers do not include Category 5B.....	55
Table 3.3.1-3. Individual designated use support summary for streams and rivers in Kentucky (miles).....	56
Table 3.3.1-4. Miles of streams assessed for aquatic life and percentage of those miles supporting and not supporting the designated use from 2006 to 2012.	57
Table 3.3.1-5. Ranking of causes (pollutants) affecting Kentucky rivers and streams. ...	62
Table 3.3.1-6. Probable sources of impairment to Kentucky rivers and streams ¹	65
Table 3.3.1-6 (cont.). Probable sources of impairment to Kentucky rivers and streams ¹	66
Table 3.3.1-6 (cont.). Probable sources of impairment to Kentucky rivers and streams ¹	67
Table 3.3.1-6 (cont.). Probable sources of impairment to Kentucky rivers and streams ¹	68
Table 3.3.1-6 (cont.). Probable sources of impairment to Kentucky rivers and streams ¹	69
Table 3.3.1-7. Greatest relative change in source contribution of pollutants and pollution in rivers, streams and spring runs.	70
Table 3.3.1-8. Number of river miles assessed and level of support by use in each major river basin. Those basins in bold type are emphasized this reporting cycle.....	73
Table 3.3.1-8 (cont). Number of river miles assessed and level of support by use in each major river basin. Those basins in bold type are emphasized this reporting cycle.....	74
Table 3.3.1-8 (cont). Number of river miles assessed and level of support by use in each major river basin. Those basins in bold type are emphasized this reporting cycle.....	75
Table 3.3.2-1. Number of assessed river miles with the top five causes and sources in the major river basins within the Green River – Tradewater River and Ohio River BMUs. .	83
Table 3.3.2-2. Aquatic use attainment results based on the 2011 probability biosurvey of the Green – Tradewater basin management unit (all numbers rounded to nearest integer).	86

Table 3.3.2-3. Individual designated use support summary (in miles) for springs in Kentucky, 2014.	89
Table 3.3.3-1. Ohio River miles assessed and level of support by designated use.....	90
Table 3.3.4.2-1. Individual designated use support summary (in acres) for Kentucky reservoirs.....	93
Table 3.3.4.2-2. Individual use support summary for Kentucky lakes.....	94
Table 3.3.4.2-3. Individual use support summary for Kentucky ponds.....	94
Table 3.3.4.2-4. Number of acres of Kentucky reservoirs, lakes and ponds affected by individual causes (pollutants).	95
Table 3.3.4.2-5. Number of acres of Kentucky lakes (natural) affected by causes.	95
Table 3.3.4.2-6. Number of acres of Kentucky ponds affected by cause.	95
Table 3.3.4.2-7. Sources of causes (pollutants and pollution) to Kentucky reservoirs....	97
Table 3.3.4.2-8. Sources of causes (pollutants) to Kentucky lakes (natural).....	97
Table 3.3.4.2-9. Source of causes (pollutants) to Kentucky ponds.....	97
Table 3.3.4.2-10. Trophic state of reservoirs in Kentucky.	98
Table 3.3.4.2-11. Trophic state of lakes in Kentucky.....	98
Table 3.3.4.2-12. Green River basin reservoirs that fully support the listed assessed uses.	100
Table 3.3.4.2-13. Green River basin reservoirs that partially support the listed assessed uses.....	101
Table 3.3.4.2-14. Tradewater River basin reservoirs that fully support assessed uses..	102
Table 3.3.4.2-15. Minor Tributaries of the Ohio River in the Green and Tradewater basin reservoirs that fully support assessed uses.....	103
Table 3.3.4.2-16. Minor tributaries of the Ohio River basin in the Green – Trade-water BMU, partially supporting one or more designated uses.....	103

LIST OF FIGURES

Figure 1. Comparison of the total number of monitored and assessed stream miles and the support status for all applicable and assessed designated uses or water quality standards.....	xvi
Figure 2. The support status for aquatic life use, number of stream miles monitored and assessed, and the percentage of those miles per the 2014 Integrated Report.	xviii
Figure 3. Percentage of monitored and assessed stream miles that support aquatic life use from 2006 – 2014 305(b) reporting cycles.	xix
Figure 4. Comparative level of support status of stream miles for aquatic life use relative to monitored and assessed miles over the most recent five reporting cycles of 2006 – 2014.....	xx
Figure 5. The six most common causes (pollutants) of impairment to streams in Kentucky by monitored and assessed miles.....	xxi
Figure 6. Pollutant – Water Body combinations over the last five reporting cycles.....	xxi
Figure 7. Percentage of monitored and assessed stream miles and the support status for primary contact recreation designated use (2006 – 2014).....	xxii
Figure 8. Percentage of monitored and assessed stream miles and the support status for secondary contact recreation designated use (2006 – 2014).	xxiii
Figure 9. Percentage of assessed stream miles monitored and the support status for human health standards applicable for fish tissue consumption (2006 – 2014).....	xxiv
Figure 10. The percent support level for all monitored and assessed lake and reservoir acres, inclusive of all designated uses, for the last five Integrated Reporting Cycles.	xxvi
Figure 11. Percentages of causes (pollutants) impacting monitored and assessed lake and reservoir acreage in Kentucky.	xxvi
Figure 12. Statewide percentage of monitored and assessed lake and reservoir acres and the support status for aquatic life designated uses.....	xxvii
Figure 13. Trend in level of aquatic life designated use supporting and non-supporting monitored and assessed reservoirs and lakes by acreage for the five most recent reporting cycles.....	xxviii
Figure 14. Lake and reservoir surface water acres monitored and assessed and the support status for primary contact recreation use (2006 – 2014).....	xxix
Figure 15. Lake and reservoir surface water acres monitored and assessed and the support status for secondary contact recreation use (2006 – 2014).....	xxix
Figure 16. Lake and reservoir surface water acres monitored and the support status for human health criteria for fish consumption use (2006 – 2014).....	xxx
Figure 17. Total number of pollutant/water body combinations contained on the 303(d) list of impaired waters over the five most recent reporting cycles.	xxxii
Figure 2.1-1. Level IV Ecoregions of Kentucky.....	5

Figure 2.2-1. Kentucky basin management units and monitoring years of the third five-year cycle.....	9
.....	22
Figure 3.1-1. Statewide assessed springs.	22
Figure 3.1.1-1. Fixed (long-term) surface water quality monitoring network. ..	25
Figure 3.1.2-1. Green – Tradewater BMU primary and rotating water quality locations.	30
Figure 3.1.4-1. Statewide targeted biological monitoring locations monitored and assessed for the 2014 reporting cycle with the Green0 – Tradewater BMU highlighted.	34
Figure 3.1.4-2. Bioregions of Kentucky, generalized for fish and macroinvertebrates.	35
Figure 3.3.1-1. The most common pollutants and number of assessed miles impacting Kentucky rivers and streams.	63
Figure 3.3.1-2. Most frequently associated sources of pollutants identified in Kentucky rivers and streams.....	69
Figure 3.3.1-3. Aquatic life and primary contact recreation (swimming) designated use support based on monitored and assessed stream miles for major river basins in Kentucky, 2014 305(b) cycle.	76
Figure 3.3.1-4. Percent change in aquatic life and primary contact recreation (swimming) full support level of assessed stream miles for major river basins in Kentucky between the 2012 and 2014 305(b) cycle.	77
Figure 3.3.2-1. Designated use support in the Green River basin, 2014 305(b) cycle.	81
Figure 3.3.2-2. Designated use support in the Tradewater River basin, 2014 305(b) cycle.....	82
Figure 3.3.2-3. Designated use support in the Ohio River minor tributaries, 2014 305(b) cycle.....	82
Figure 3.3.2-4. Proportions of aquatic life use support in the Green – Tradewater BMU based on probabilistic (statistical) biosurveys. Graph is of the representative stream population (Strahler Order 1 – 5) defined by the study..	87
Figure 3.3.2-5. Comparative support level for aquatic life use support between probabilistic monitoring in the Green – Tradewater BMU for water years 2008 and 2011.	87

Executive Summary

I. Section 305(b), Volume I

The 2014 Integrated Report (IR) on the condition of water resources in Kentucky is submitted to the U. S. Environmental Protection Agency (EPA) to fulfill requirements of sections 303(d), 305(b) and 314 of the Federal Water Pollution Control (or Clean Water) Act of 1972 (P.L. 92-500), as subsequently amended. Section 305(b) of the Act requires states to assess and report water quality conditions to EPA every two years. Beginning in 2006, the Kentucky Division of Water (KDOW) submitted its biennial report on water quality in the integrated reporting format. This reporting format provides categories to report assessment results per designated use of assessed water bodies, thus providing a convenient method to track water bodies and segments by designated use and assessment results. Below are the assessment categories for water bodies and segments (Table 1).

Table 1. Reporting categories assigned to surface waters through the assessment process.

<u>Category</u>	<u>Definition</u>
1	All designated uses for water body fully supporting.
2	Assessed designated use(s) is/are fully supporting, but not all designated uses assessed.
2B	Segment currently supporting use(s), but 303(d) listed & proposed to EPA for delisting.
2C	Segment with an EPA approved or established TMDL for the following use(s) now attaining Full Support. TMDL approval # _____
3	Designated use(s) has/have not been assessed (insufficient or no data available).
4A	Segment with an EPA approved or established TMDL for the listed uses not attaining full support. TMDL approval # _____
4B	Nonsupport segment with an approved alternative pollution control plan (e.g. BMP) stringent enough to meet full support level of all uses within a specified time.
4C	Segment is not meeting full support of assessed use(s), but this is not attributable to a pollutant or combination of pollutants.
5	TMDL is required.
5B	Segment does not support designated uses based on evaluated data, but based on Kentucky listing methodology insufficient data are available to make a listing determination. No TMDL needed.

While this reporting cycle is comprehensive providing a statewide update on water quality conditions of water bodies in all river basins, or BMUs (basin management unit), the focus is on the Green – Tradewater BMU. There are five BMUs in the state: 1) Kentucky River, 2) Salt – Licking Rivers, 3) Upper Cumberland and 4-Rivers, 4) Green – Tradewater, and 5) Big Sandy – Little Sandy – Tygarts. Since 1998, the KDOW has executed a five-year rotating BMU monitoring strategy. This strategy has many advantages for the state to monitor and manage water resources, namely it focuses available resources to a particular BMU once every five years, providing an in-depth assessment of water quality and issues specific to regional water resources.

The assessment results use three classifications to denote relative level of designated use support: fully supporting (good to excellent water quality); partially supporting (fair water quality, does not fully meet designated use); and non-supporting (poor water quality).

The KDOW monitors wadeable and boatable waters, lakes and reservoirs. In the ambient water quality network all stations are monitored for a suite of conventional and toxic pollutants on a monthly or bimonthly frequency. Water quality stations in a given BMU are monitored monthly once every five years, and are otherwise monitored bimonthly four of five years. When the rotating BMU monitoring strategy was adopted, the KDOW expanded the primary (permanent, regular monitored stations) water quality stations to 72 and added approximately 20 additional watershed water quality stations per BMU. These additional sites have provided greater coverage of water quality stations and the flexibility to add watershed stations for watersheds of particular interest (e.g. land use considerations, TMDL development, intra-basin issues) for each BMU. Many of the wadeable primary water quality stations are monitored for biological community health once every five years. The KDOW develops biological monitoring plans for wadeable streams including a reference network for development and refinement of biological metrics, and targeted monitoring to address needs and fill gaps in each BMU. Probability-based monitoring design of wadeable

streams (stream order 1 – 5) is employed in each BMU to provide a nonbiased assessment of water quality, and provides the statistical integrity to determine the water quality and biological health of wadeable streams within the defined study during the monitoring window. This random approach provides water quality data that is nonbiased and can be applied to many issues and water quality needs for the KDOW such as nutrient gradients, specific conductivity and other water quality variables. Given the nature of the data, it is often a resource that can be drawn upon for new issues that may emerge. The TMDL (total maximum daily load) section monitors water bodies and associated watersheds to scope the extent and verify sources of each pollutant affecting a 303(d) listed water body as part of TMDL development. Publicly owned lakes and reservoirs are monitored per BMU to determine current water quality conditions and trends in trophic state. A suite of physical and chemical variables are monitored three times during the growing season, spring, summer and fall. This interval provides data under the most environmentally stressful conditions when water quality degradation is most likely manifested.

General Statewide Level of Combined Designated Use Support

Compared with the 2012 IR, the absolute number of stream miles monitored and assessed resulted in a small net increase. The relative percent change among the combined general categories of

- supporting (categories 1, 2, 2B, 2C)
- not supporting requiring a TMDL (category 5)
- not supporting with a TMDL (category 4A)
- not supporting due to pollution (category 4C)

changed 2 percent or less. The greatest percent increase of stream miles occurred in those streams supporting assessed uses, and those removed from the 303(d) list as a result of TMDL development and approval. Stream miles that do not support uses and require a TMDL was unchanged relative to each reporting cycle, while stream miles

supporting increased 2 percent. Figure 1 illustrates the precise stream miles represented by each of the four categories in Table 2.

Table 2. Net increase or decrease in stream (and spring runs) miles that support or do not support designated uses compared to the 2012 reporting cycle, and relative percent change in statewide assessed streams that support or do not support uses. Note these numbers do not include Category 5B.

	Miles of Streams Supporting Use(s)	Miles of Streams Not Supporting Use(s) & Require a TMDL (category 5)	Miles of Streams Not Supporting with a TMDL (category 4A)	Miles of Streams Not Supporting due to Pollution (category 4C, no TMDL required)
Statewide 2014	3,981 (33%)	7,087 (58%)	929 (8%)	22 (0.2%)
Statewide 2012	3,927 (35%)	6,490 (58%)	687 (6%)	35 (0.3%)
Net Miles (Percent Change)	+54 (2%)	+597 (0%)	+242 (2%)	-13 (-0.1%)

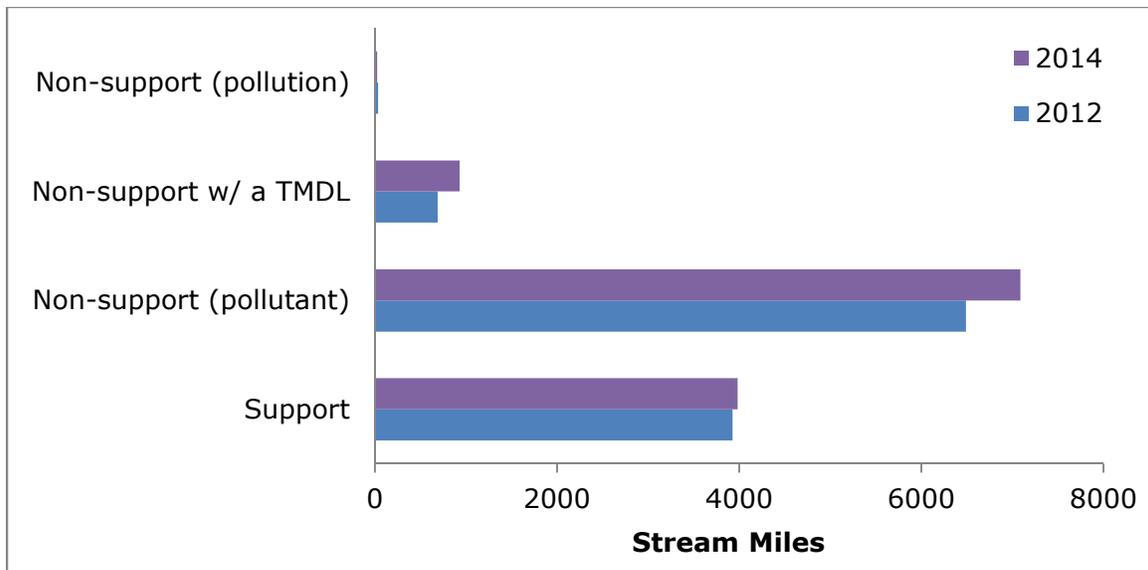


Figure 1. Comparison of the total number of monitored and assessed stream miles and the support status for all applicable and assessed designated uses or water quality standards.

Of the 90,961 stream miles in the Commonwealth at the scale of 1:24,000, the 12,137 stream and spring miles monitored and assessed represent nearly 13 percent of stream miles. While the monitored results indicate 4 percent of all (monitored and assessed + unmonitored) stream miles support one or more assessed designated uses, the agency considers all unmonitored streams and segments to be fully supporting each applicable designated use for regulatory purposes. This resource management practice results in 82,923 stream miles (91 percent) meeting uses for permitting and antidegradation implementation. This compares to the results of the 2012 IR.

Warm Water and Cold Water Aquatic Habitat Use Support – Streams Statewide

Based on the NHD scale of 1:24,000 Kentucky has nearly 91,000 miles of streams; many of these miles are small, 1st and 2nd order intermittent or perennial streams up to the great rivers (the Ohio and the Mississippi) that together account for about 850 miles along the Commonwealth's northern and western borders. To date, there are 11,222 river miles assessed for cold water and warm water aquatic habitat designated uses (collectively often referred to as aquatic life use) of the approximately 90,961 river miles (12 percent). Of total assessed miles (11,222) with in-stream data, 5,670 (51 percent) fully support aquatic life designated use. This indicates a slight improvement in miles assessed that are supporting this use (up one percent) compared to the 2012 IR results. The number of assessed miles not supporting these designated uses is 5,552 miles, or approximately 49 percent (Figure 2). Since the 2010 IR, the number of miles not supporting aquatic life use has increased about two percent statewide.

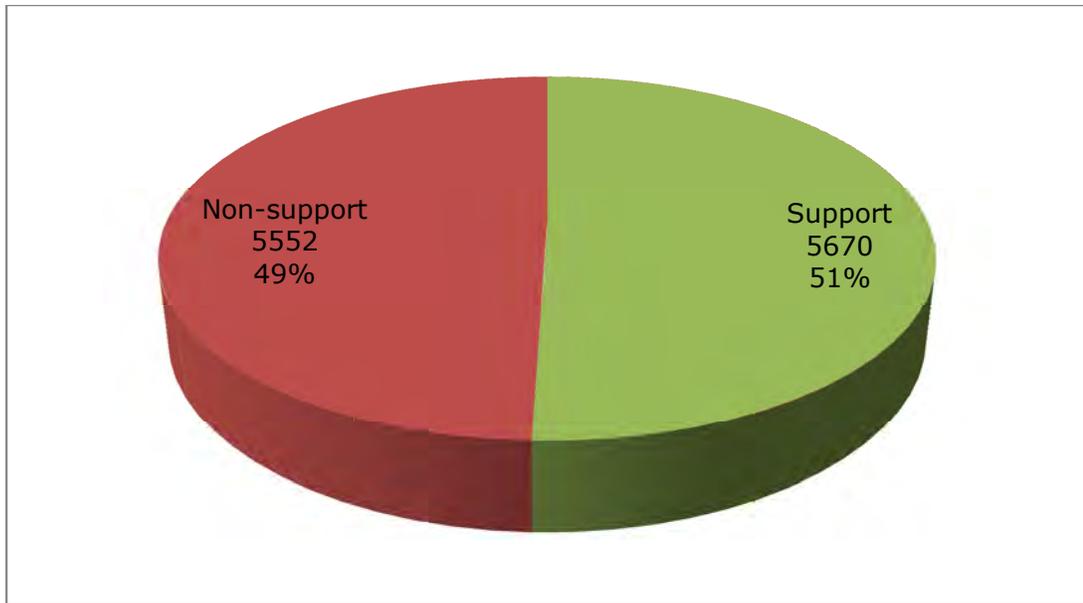


Figure 2. The support status for aquatic life use, number of stream miles monitored and assessed, and the percentage of those miles per the 2014 Integrated Report.

Comparative results of monitored and assessed stream miles and the percentage of those miles either supporting or not supporting aquatic life use over the last five reporting cycles are presented below (Figure 3). With the exception of 2006, monitored and assessed stream miles have remained near 50 percent supporting the use. It can be noted that the 2006 results, which indicated 61 percent of monitored and assessed stream miles supporting aquatic life use, were based on monitored data collected prior to a monitoring strategy change that is reflected in the 2008 IR. Data collected and used for assessment beginning in the 2008 IR cycle reflected that shift where a larger portion of the monitoring effort began focusing on non-supporting designated uses for the development of TMDLs. By this time, the KDOW's prior emphasis of targeting the least impacted watersheds for development of biological multi-metric indices also changed in favor of a new monitoring strategy that was put into effect to begin a broader consideration of monitoring priorities.

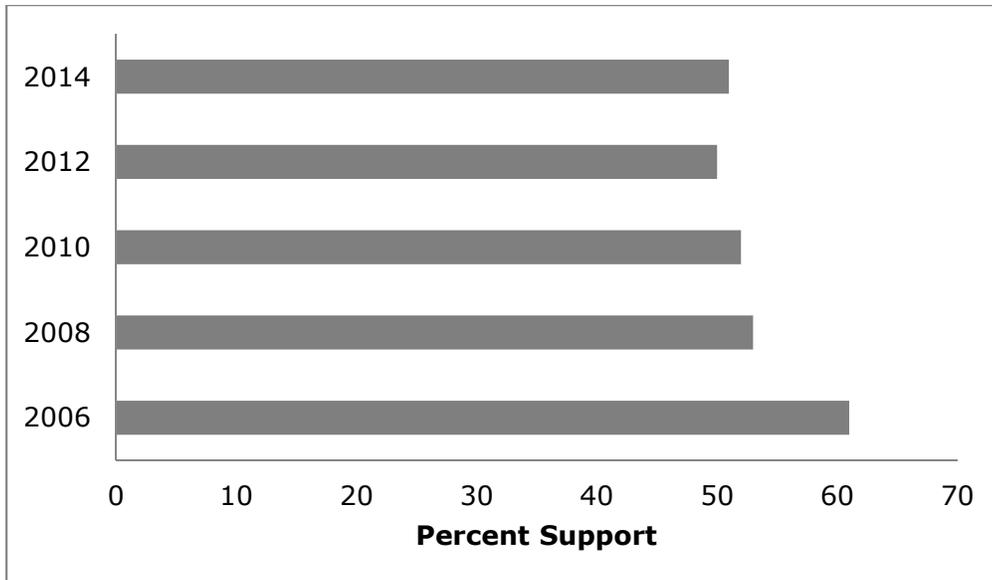


Figure 3. Percentage of monitored and assessed stream miles that support aquatic life use from 2006 – 2014 305(b) reporting cycles.

After the decrease of supporting stream miles that resulted in 2008, a plateau has resulted through the 2012 reporting cycle. However, from 2012 to 2014 an increase of supporting stream miles occurred (Figure 4). It is not known if these results represent a trend in improving water quality; additional time and consistent monitoring strategies are needed to see if this is indeed a trend that reflects improvement of water quality.

Being able to use predictive statistics to indicate a trend in improving water quality may be a desired goal and rationale to maintain the balanced approach of monitoring the long-term fixed ambient network, monitoring a rotating subset of reference streams, maintaining the probabilistic strategy necessary for statistical reporting, and TMDL monitoring in watersheds to affect development of loading limits to restore designated use support.

The six leading causes (pollutants) negatively affecting the water quality for aquatic life designated use are shown in Figure 5 by stream miles.

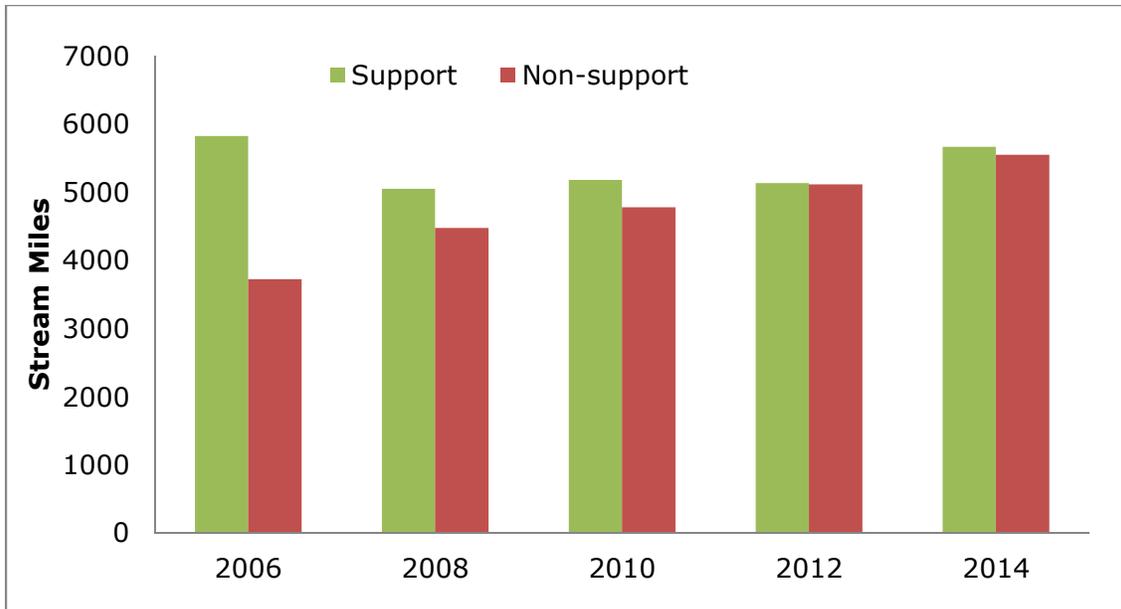


Figure 4. Comparative level of support status of stream miles for aquatic life use relative to monitored and assessed miles over the most recent five reporting cycles of 2006 – 2014.

Given the association of these causes with a wide range of land use disturbances that are most often associated with nonpoint sources of pollutants, often without the needed best management practices in place, it should not be surprising that these causes mirror the most common causes reported on the 2012 IR. Only “Specific Conductance” is new to the top five results, replacing “Organic Enrichment (sewage) Biological Indicators” since the 2012 IR cycle.

As the comparative number of assessed stream miles not supporting aquatic life use between 2006 and 2012 increased, the number of pollutant – water body combinations (PWC) increased. Between the 2012 and 2014 IR cycles, as the number of miles supporting have increased along with a lagging increase in the number of non-supporting miles, the number of pollutant – water body combinations has leveled-off (Figure 6). This may be a reflection of increased monitoring of already 303(d) listed water bodies that, while reflecting increased non-support stream miles, results in the same pollutants affecting the additional stream miles.

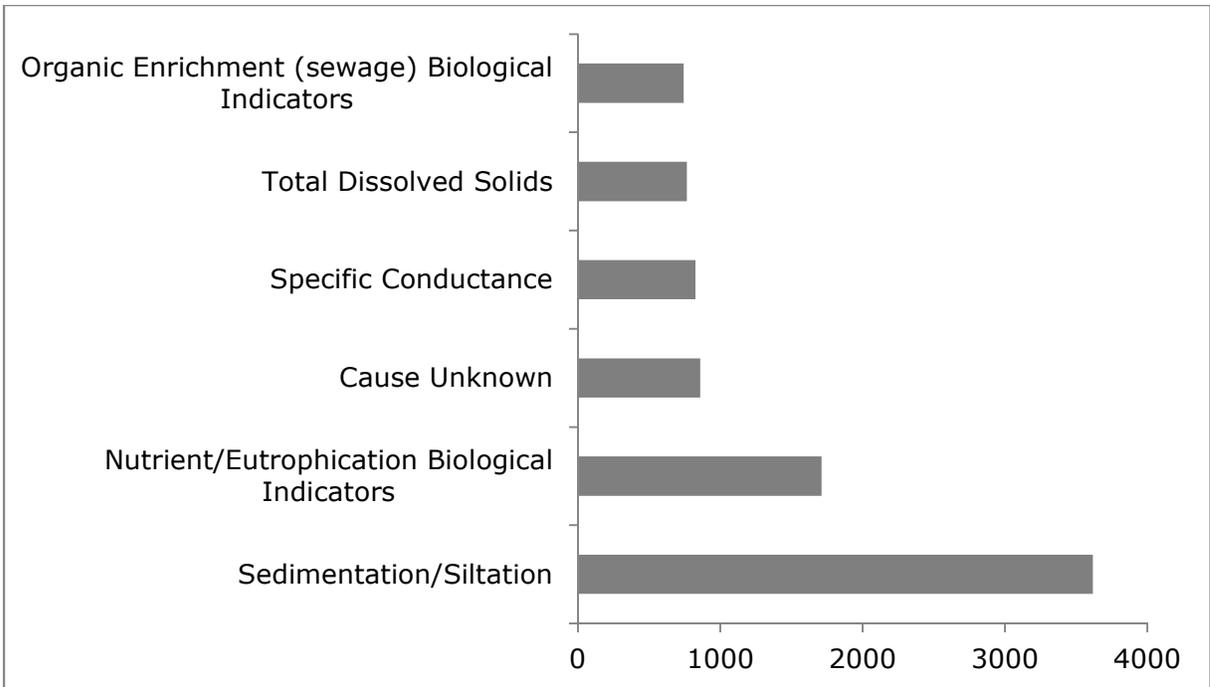


Figure 5. The six most common causes (pollutants) of impairment for Aquatic Life to streams in Kentucky by monitored and assessed miles.

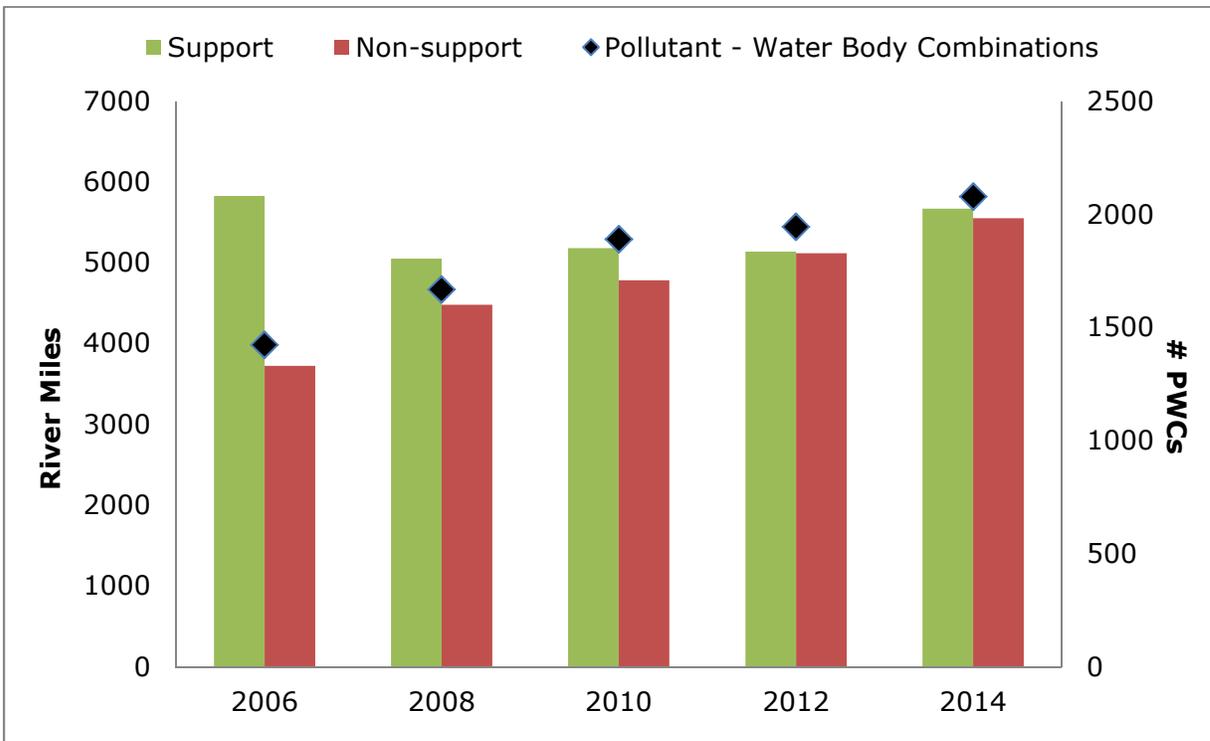


Figure 6. Pollutant - Water Body combinations relative to stream miles and the support status for aquatic life use.

Primary Contact Recreation Use Support – Streams

Statewide

Primary contact recreation use (PCR) is often referred to as swimming use since the criteria applicable to this designated use are to protect people from pathogens that may cause gastric illness if any water is ingested when swimming. The 2014 assessment results indicate there are 5,954 stream miles assessed for this designated use with 71 percent of stream miles (4,212 miles) not supporting criteria. The assessment results for the five most recent IRs indicate support for the designated use is relatively steady since the 2008 reporting cycle (Figure 7).

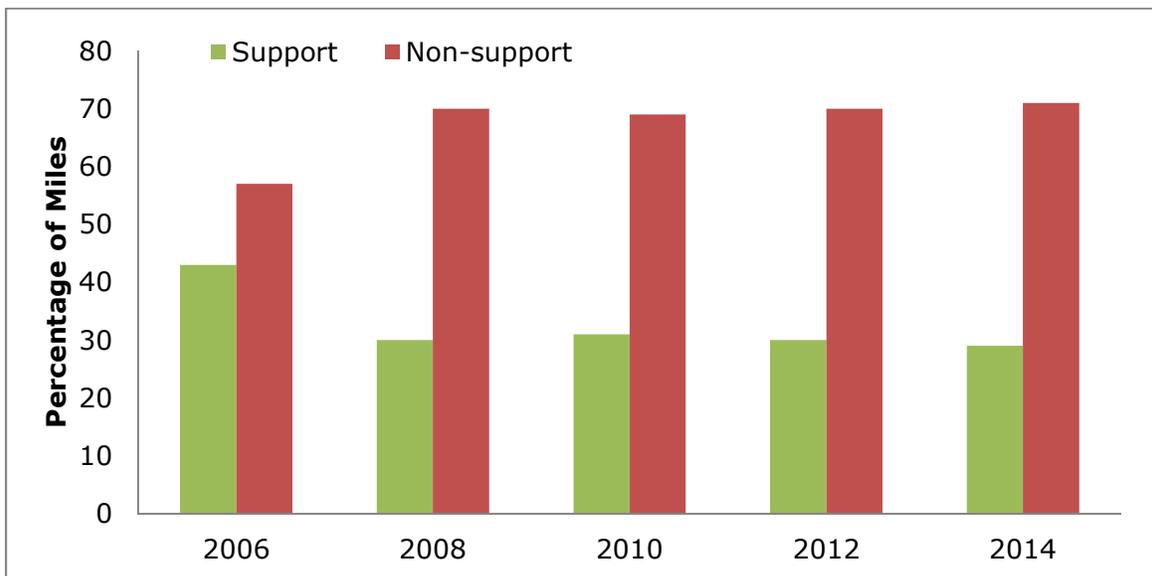


Figure 7. Percentage of monitored and assessed stream miles and the support status for primary contact recreation designated use (2006 – 2014).

Secondary Contact Recreation Use Support – Streams

Statewide

This designated use provides protection to someone recreating on a water body where only incidental contact or less than full body immersion is anticipated. Some examples of this recreation are boating, fishing and wading. There have been 2,004 stream miles assessed and 1,343 miles (67 percent) fully support this use, with 662 miles (33 percent) not supporting. The percentage of full support for this designated use has been declining

slightly since the 2006 IR (Figure 8). However, the observable near-plateau in support level since 2008 is not the result of a steady-state condition, but the result of only a few miles being monitored and assessed since that reporting cycle. This is due to a difference in pathogen indicators for PCR and SCR that occurred after 2008.

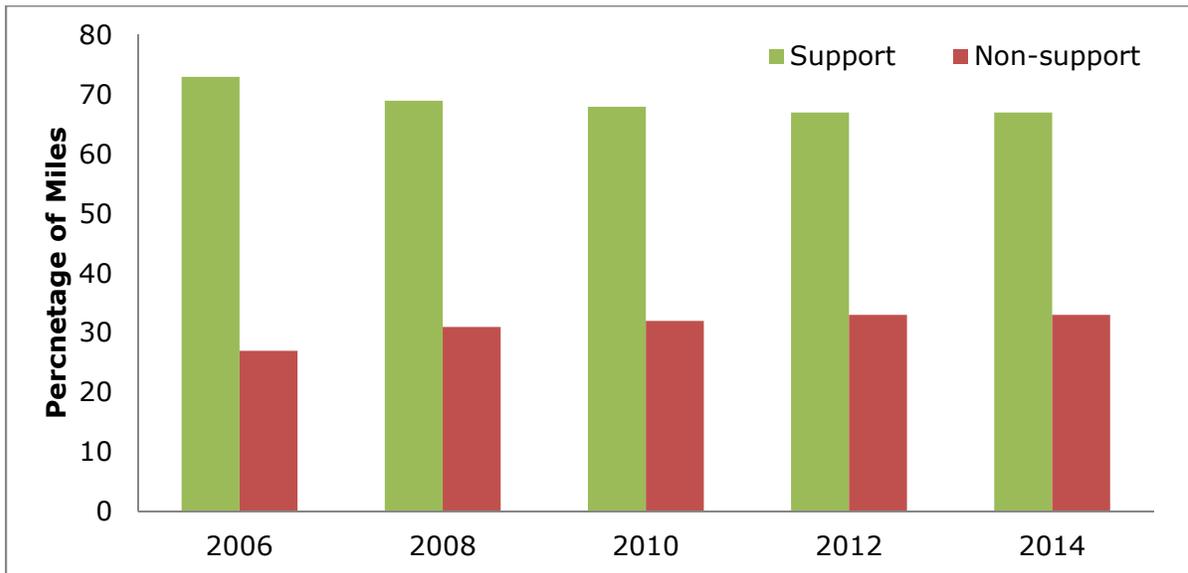


Figure 8. Percentage of monitored and assessed stream miles and the support status for secondary contact recreation designated use (2006 – 2014).

Fish Consumption Use Support – Streams

Statewide

This is not a designated use in Kentucky, but it is implied as one in water quality standards (401 KAR 10:031 Sections 2 and 6). Like contact recreation uses, this use is based on criteria to protect human health. Fish tissue is analyzed for possible residue of contaminants; the two contaminants of primary concern are methylmercury and polychlorinated biphenyl (PCB) chemicals. There have been 1,786 stream miles assessed for fish consumption with 680 stream miles (38 percent) full support and 1,106 miles (62 percent) not supporting (Figure 9). This is a decrease in stream miles meeting applicable water quality standards since the 2012 IR of 23 percent; slightly exceeding the percentage of not supporting stream miles compared

to the 2006 IR (Figure 9). There is no observable indication of a trend developing for fish consumption. As a result of including the assessment results of the Ohio River in the 305(b) dataset for the first time in 2014, Figure 9 indicates that there is a significant increase in stream miles not supporting these standards. This is not a trend in not supporting the standards but a graph pictorial of two datasets being combined (KDOW data with Ohio River data).

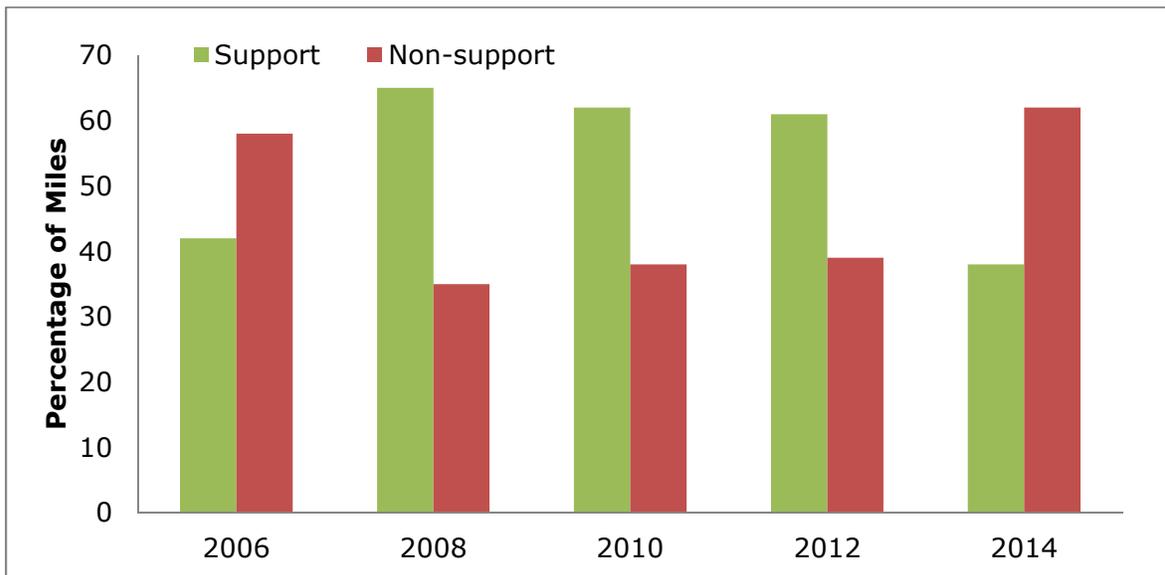


Figure 9. Percentage of assessed stream miles monitored and the support status for human health standards applicable for fish tissue consumption (2006 – 2014). Note: 2014 is the first IR to include Ohio River data.

There is a statewide fish consumption advisory that differs from the assessed level of support of water quality standards for human consumption, but it is related. The consumption advisory is a set of guidelines to inform the population that consume locally caught fish that, while the actual contaminant residue is not known for the fish they catch and consume, there is evidence observed by datasets from a variety of water bodies and types in the Commonwealth that suggest the likely level of mercury may be elevated to a point that warrants consideration in the quantity of fish consumed, over time. This precautionary level is at a lower concentration of mercury than

the water quality standard is set to determine use support (water quality standards). Where actual monitored data indicate mercury concentration at the level of less than full support is known for a water body, sensitive members of the population (children under 6 years of age and pregnant or nursing women) should not consume the fish flesh from that water body. However, for most fish caught in Kentucky, the fish consumption advisory suggests members of the sensitive population can safely consume 1-meal (a meal is 8 ounces of fish flesh) per week. This advisory was issued on April 11, 2000 because of low levels of mercury found in fish tissue statewide.

Domestic Water Supply Use – Streams

Statewide

Eight hundred ninety stream miles are assessed for this designated use; all stream miles where this use applies is fully supporting drinking water supply use. This level of support is the same for the 2006, 2008, 2010 and 2012 IRs.

Level of Support for Lakes and Reservoirs for All Applicable Designated Uses

Statewide

The lakes program was implemented in 1987 at publically owned and accessible reservoirs. The purpose was to assess the designated uses of aquatic life, secondary contact recreation and drinking water; monitoring now often extends to collect data for fish consumption and primary contact recreation. An element of 305(b) reporting is the requirement to determine trends of trophic state on the state's publically owned reservoirs. Current assessment results show 68 percent of all lakes monitored (127) support all assessed designated use. This compares to 69 percent of all lakes monitored supported all assessed designated uses in 2012, 67 percent in 2010, 58 percent in 2008 and 61 percent in 2006 (Figure 10).

The five leading causes (pollutants) identified in impacting lakes and reservoirs are shown by acreage and by percent contribution on a total acres assessed frequency (Figure 11).

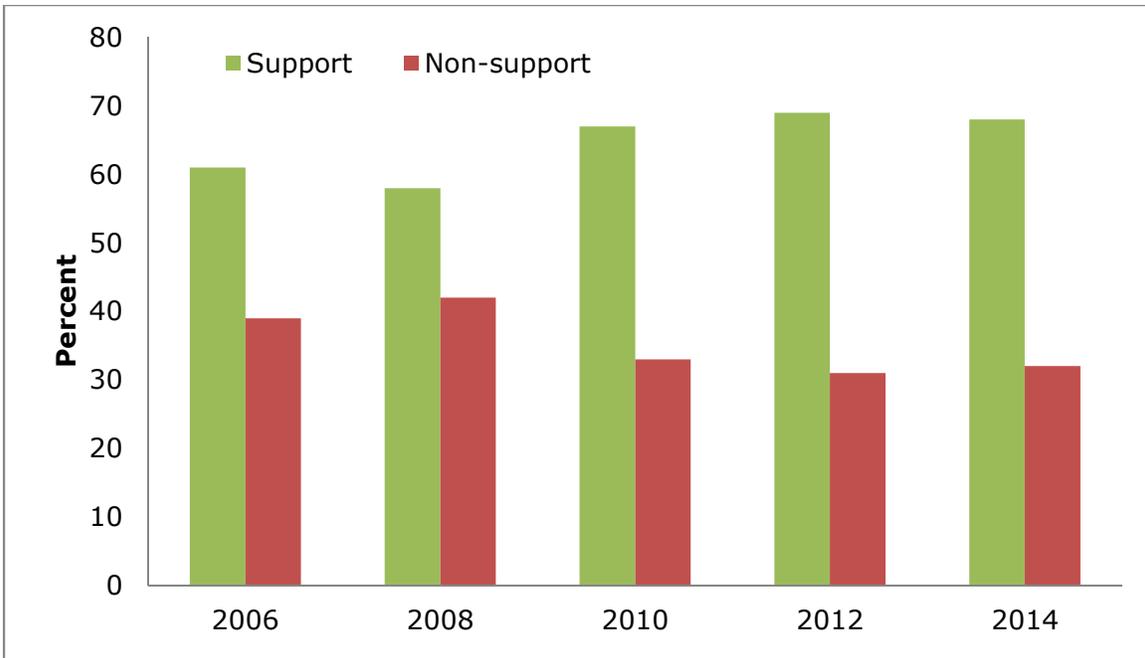


Figure 10. The percent support level for all monitored and assessed lake and reservoir acres, inclusive of all designated uses, for the last five Integrated Reporting Cycles.

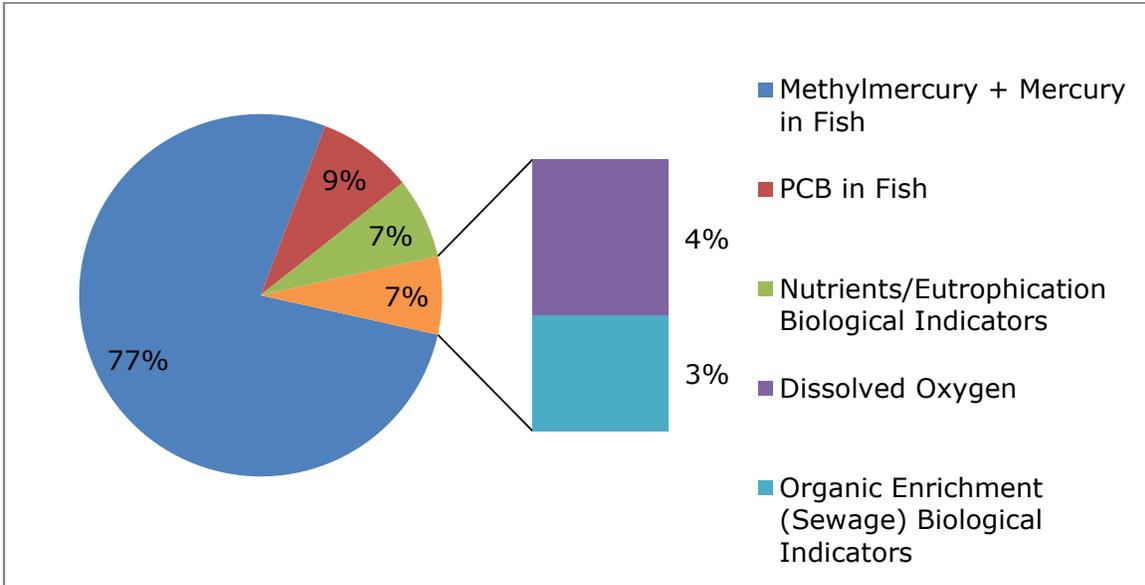


Figure 11. Percentages of causes (pollutants) impacting monitored and assessed lake and reservoir acreage in Kentucky.

Aquatic Habitat Designated Uses – Lakes and Reservoirs

These water bodies may have up to three applicable aquatic life designated uses, 1) warm water aquatic habitat, 2) cold water aquatic habitat and 3) outstanding state resource water. As of 2014, there have been 220,333 surface water acres monitored and assessed. Results from this reporting cycle indicate 212,202 acres (96 percent) fully support aquatic life designations and 8,131 acres (4 percent) do not fully support these uses (Figure 12). Compared to the 2012 IR cycle, there is no change by percentage of acres supporting aquatic life uses.

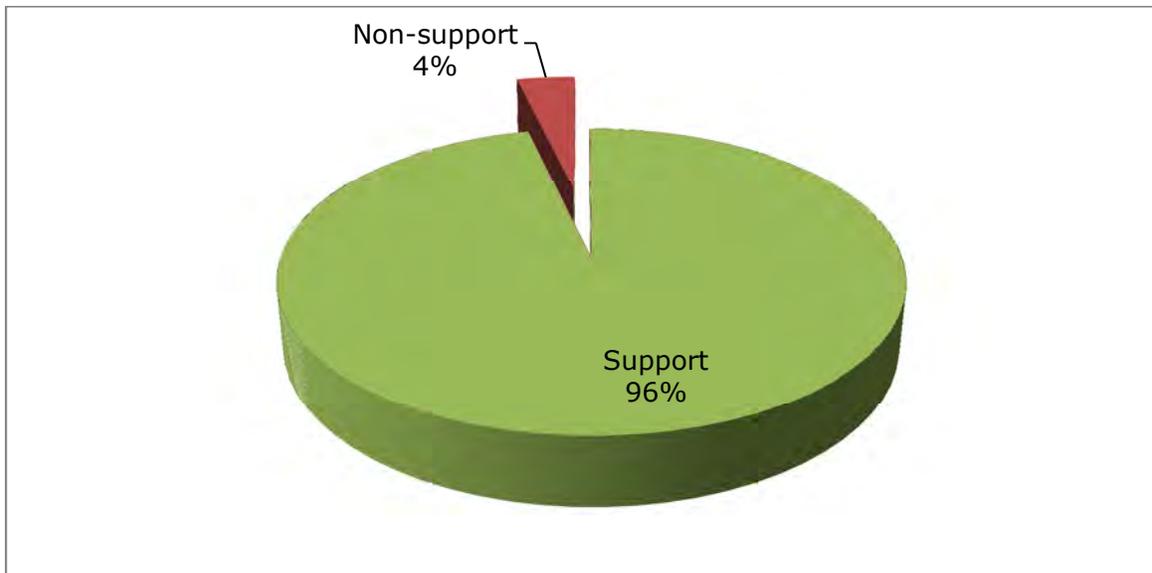


Figure 12. Statewide percentage of monitored and assessed lake and reservoir acres and the support status for aquatic life designated uses.

Since the KDOW conducts census monitoring and assessment of all publically accessible lakes and reservoirs every five years, an observation of potential trend results for level of use support is provided in Figure 13. This water body type is essentially maintaining a high degree of acres supporting this use. While any trend is weak, over time this monitoring strategy will provide a strong trend or a steady-state of water quality of the Commonwealth's lakes and reservoirs.

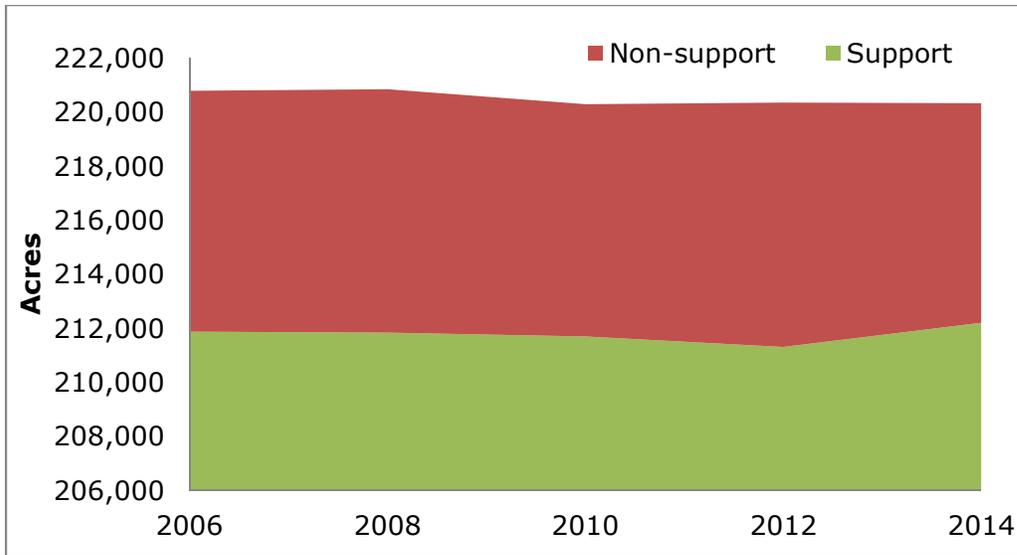


Figure 13. Trend in level of aquatic life designated use supporting and non-supporting monitored and assessed reservoirs and lakes by acreage for the five most recent reporting cycles.

Primary Contact Recreation – Lakes and Reservoirs

This designated use support is based on bacteria (*Escherichia coli*) and pH criteria for support determination. There are relatively few surface water acres assessed out of the 219,527 acres designated. Of those monitored and assessed, 62,640 acres (99.8 percent) support this use, while 123 acres do not support this use. This compares to 100 percent in 2012, 99.7 percent in 2010, 99.7 percent in 2008 and 100 percent in 2006 (Figure 14).

Secondary Contact Recreation – Lakes and Reservoirs

Secondary contact recreation criteria are developed to protect people from incidental contact with water, such as boating, fishing or wading (i.e. less than full body immersion). This reporting cycle includes 215,757 surface water acres assessed and nearly 99 percent (213,567 acres) of those acres support this use. In comparison to the three previous 305(b) reporting cycles, this is an increased percentage of designated use support over the span of cycles from 2006 to present (Figure 15). It should be noted there were only 11,034 acres monitored and assessed in the 2006 IR; this number increased substantially in the 2008 IR, to 213,814 acres assessed.

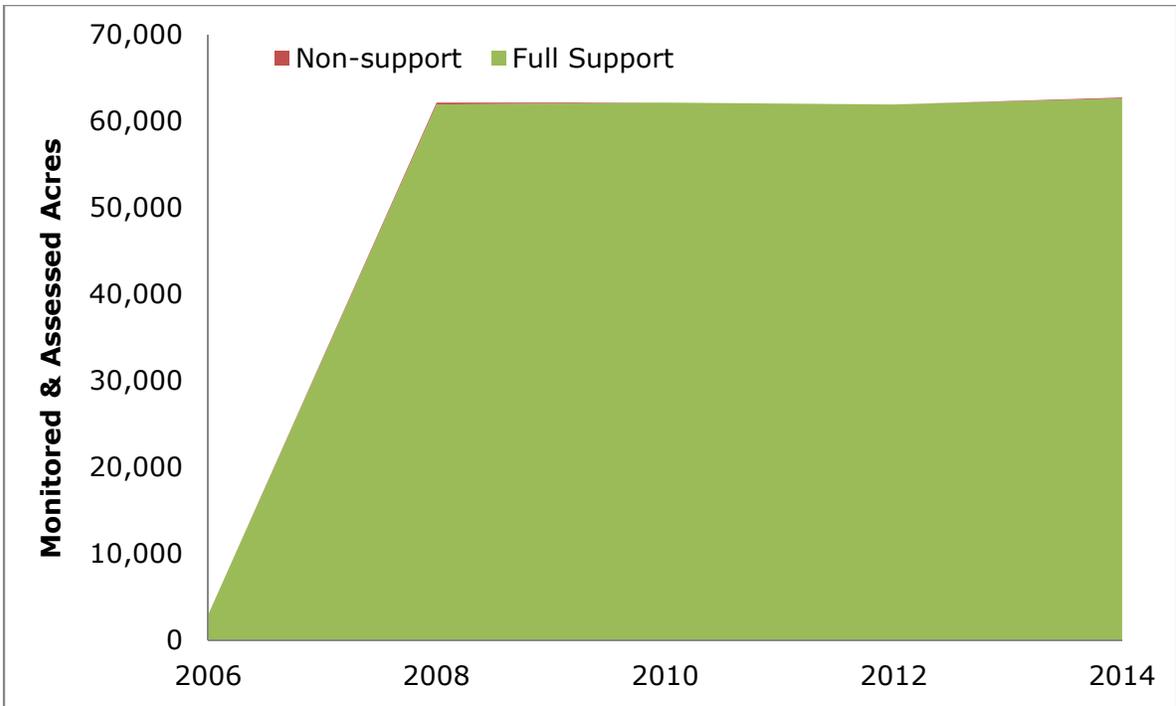


Figure 14. Lake and reservoir surface water acres monitored and assessed and the support status for primary contact recreation use (2006 – 2014).

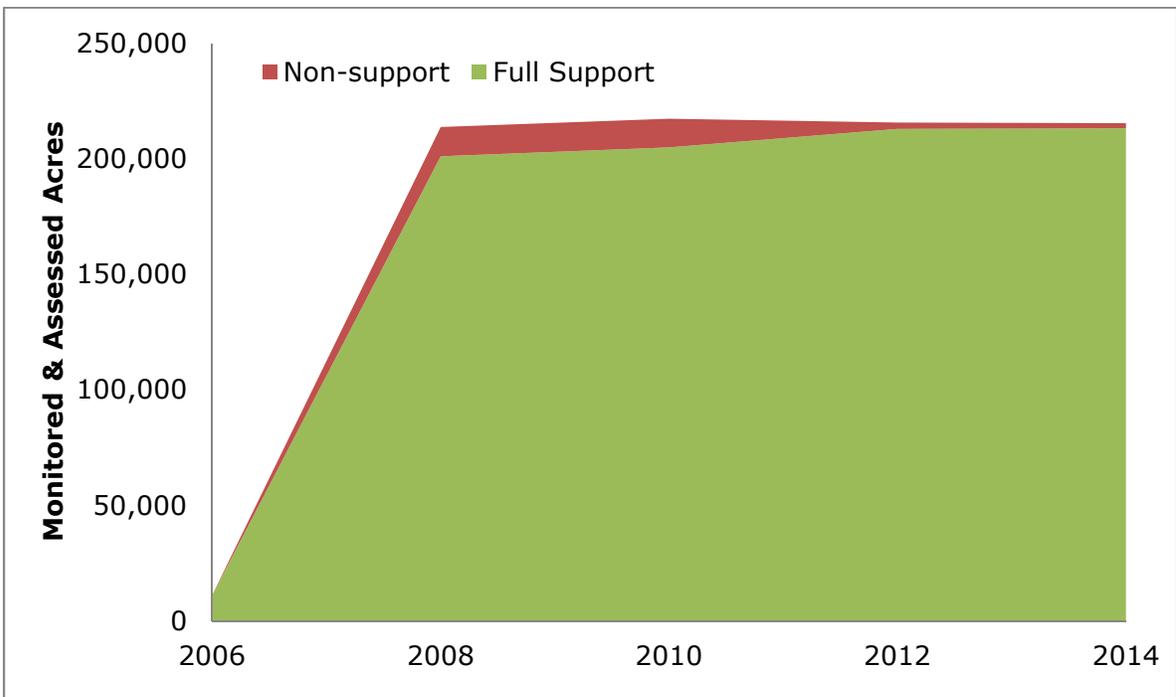


Figure 15. Lake and reservoir surface water acres monitored and assessed and the support status for secondary contact recreation use (2006 – 2014).

Fish Consumption Use – Lakes and Reservoirs

Fish consumption is not a designated use in Kentucky water quality standards, but the use is implied in 401 KAR 10:031 Section 2 and through human health criteria in Section 6. There were 205,647 surface water acres assessed in the current IR, with 121,172 surface water acres (59 percent) supporting that use. Lake Cumberland, with 50,250 surface acres, does not support fish consumption due to mercury in fish tissue. This one major reservoir not supporting fish consumption is 60 percent of the total acres (84,339) not supporting. The relative percentage of monitored surface acreage of reservoirs and lakes that fully support this implied use has remained nearly constant over the five most recent IR reporting cycles; the reported percent of acres supporting, having increased 4 percent in the 2010 IR (Figure 16).

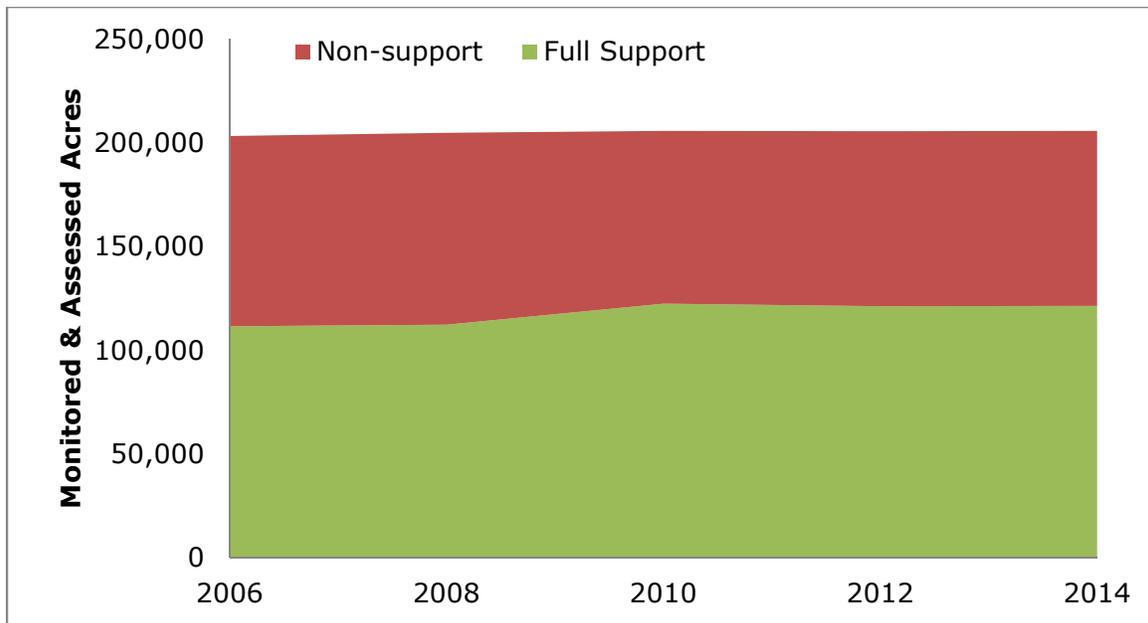


Figure 16. Lake and reservoir surface water acres monitored and the support status for human health criteria for fish consumption use (2006 – 2014).

Domestic Water Supply – Lakes and Reservoirs

Statewide

There are 181,355 surface water acres assessed for this designated use. Of those acres, 181,225 acres (>99 percent) fully support the use, with

130 acres not supporting the use (a decrease of 456 acres from the 2012 IR). All waterbodies not meeting this use is due to nutrient enrichment that result in taste and odor concerns.

II. Section 303(d), Volume II

Volume II of the IR addresses the section of the Clean Water Act requiring states to submit a list of waters impaired for any designated use. Specifically, the 303(d) list is a subset of the 305(b) list of assessed waters; those requiring a TMDL (total maximum daily load) to be developed for each pollutant that exceeds the water quality standard. The TMDL is a calculation of the total amount of a pollutant a water body can assimilate while meeting applicable designated uses (warm water and cold water aquatic habitat; primary and secondary contact recreation; domestic water supply; outstanding state resource water; and fish consumption [an implied use]).

The number of total pollutant/waterbody combinations (PWC) has increased during the most recent five reporting cycles (2006 – 2014). This increase was expected given that monitoring has shifted from primarily monitoring to develop reference areas to monitoring watersheds with water bodies on the 303(d) list in order to develop TMDLs on a watershed scale.

For the 2014 IR cycle, there are 2,596 PWCs (Figure 17). At the time of writing this report, the EPA has approved delisting 431 PWCs. Based on current monitored data, the KDOW is requesting 61 PWC be delisted. If EPA denies any of these requests the water bodies and associated pollutants will be maintained on the 303(d) list and require the development of a TMDL.

EPA and state TMDL program managers began developing a new path forward for the TMDL program in August 2011, the long term vision for the Clean Water Act Section 303(d) program (The Vision). Historically, KDOW's focus has been TMDL monitoring, resulting in monitoring for over 700 PWCs. The Vision identifies six components: Prioritization, Assessment, Engagement, Integration, Protection, and Alternatives. Moving forward at KDOW, the Vision will guide prioritization of TMDL development for more effective management of resources and effort.

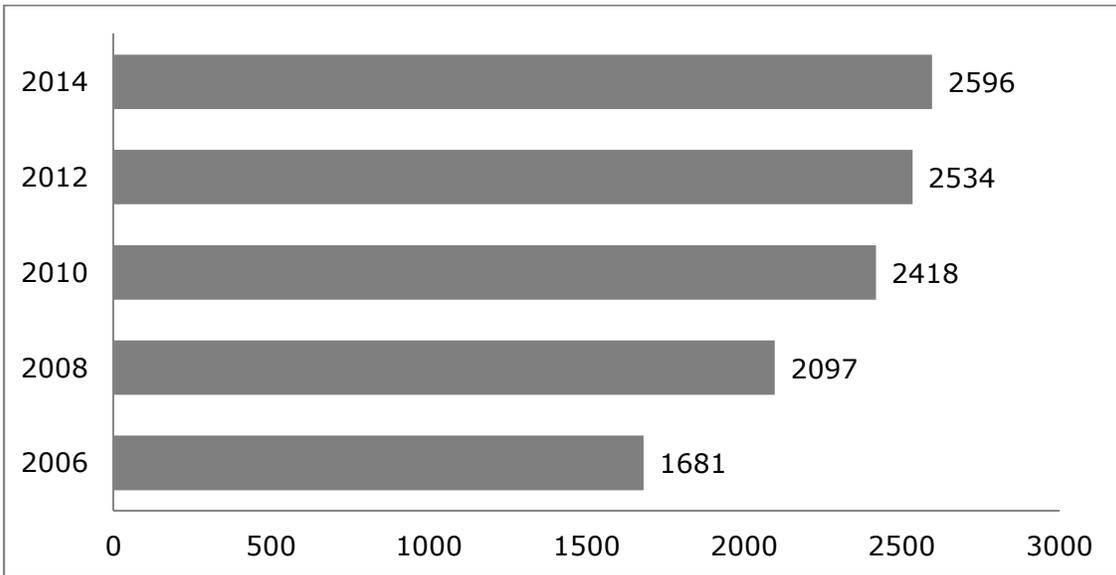


Figure 17. Total number of pollutant - water body combinations contained on the 303(d) list of impaired waters over the five most recent reporting cycles.

Chapter 1. Introduction

The 2014 Integrated Report (IR) was prepared by the Kentucky Division of Water (KDOW), Department for Environmental Protection (DEP), for submittal to the U.S. Environmental Protection Agency (EPA) to fulfill requirements of sections 303(d), 305(b) and 314 of the Federal Water Pollution Control (or Clean Water) Act of 1972 (P.L. 92-500), as subsequently amended. Section 305(b) of the Act requires states to assess and report current water quality conditions to EPA every two years.

In 2006 an IR was released for the first time by the Commonwealth. It was produced in two volumes, and this procedure has followed since. Volume I is the Section 305(b) element and provides an overview of the Commonwealth's water resources, monitoring programs, statistical findings, georeferencing of monitored waters and assessment results, including a comprehensive table listing all waters or segments assessed by designated use, the causes (pollutants or pollution) for impairment and probable sources. Volume 2 of the IR lists those waters and segments that were not fully supporting one or more designated uses (DU), based on monitored data, and require a TMDL (total maximum daily load) calculation for those pollutants causing the impairments. By integrating the two reports, users of the information in the first IR (2006) found this comprehensive reporting medium of greater utility by having all relevant information together in two volumes. The use of assessment categories to assign assessed stream segments and lakes or reservoirs provides an accurate and convenient method for the Commonwealth to track the miles (or acres) of assessed and non-assessed uses, while also tracking those impaired waters from the time of 303(d) listing through the TMDL process and post-implementation.

KDOW utilized the assessment database (ADB) to store designated use assessments and aid in producing the various tables and compilation of statistics that were presented in this report. The current report was based on assessment data stored in ADB version 2.2; this database had been modified to function per the particular needs of KDOW. As with previous IRs (305[b] reports), ADB provides assessment information of water bodies and segments that include geographic

information (latitude – longitude) used to georeference those assessments. This proved to be a reliable mechanism to produce the reach-indexed (geospatial) maps.

The KDOW operates its primary monitoring programs under a five-year rotating watershed management approach implemented in 1998. This IR represents monitoring efforts from the third cycle of the BMU (basin management unit) monitoring strategy; the Green River – Tradewater River BMU is the primary focus in this IR; these BMUs were monitored beginning in April 2011 – March 2012. This report also incorporates assessment data and results from monitoring that occurred during this reporting cycle outside of the BMU of focus; thus providing a statewide update of monitoring results. Monitoring of the Ohio River mainstem is primarily accomplished by the Ohio River Valley Water Sanitation Commission (ORSANCO).

The 2014 303(d) list contains 7,060 miles in 1,294 segments and 2,596 pollutant-waterbody combinations. This monitoring cycle was year four of the five-year BMU cycle. Much of the monitoring activities focused on TMDL-associated watersheds to identify the extent, concentrations and track sources of pollutants of concern necessary for TMDL calculation. To maintain overall awareness of aquatic life support conditions, and compare results over time, KDOW conducted a probabilistic designed biosurvey of the Green – Tradewater BMU. This biosurvey provides information on aquatic life use support projected as a percent of total stream miles (wadeable streams defined as 1st – 5th Strahler order) in the BMU. A comparison of those results can then be made to the previous probabilistic biosurvey for each of these BMUs.

Not all impaired waters were listed in the 303(d) report. For example, evaluated data from discharge monitoring reports (DMRs) were not on the 303(d) list because permit compliance should result in protection of the designated uses; also, the DMR data were not in-stream data, but from samples collected at the facility outfall.

Chapter 2. Background

2.1 Atlas of Kentucky’s Water Resources and Profile of Select Demographic and Physiographic Statistics Atlas of Kentucky

State population, 2010 ¹	4,339,367
Surface area (square miles)	40,409
Number of counties	120
Number of major physiographic regions	5
Number of level III ecoregions.....	7
Number of level IV ecoregions	25
Number of major basins.....	12
Number of USGS ² 8-digit HUCs ³	42
Number of stream miles (1:24,000 NHD ⁴)	90,961
Number of stream-formed border miles (Big Sandy River, Levisa Fork, Mississippi River and Ohio River) 983	
Number of publicly owned lake and reservoir surface acres (estimated)	229,500
Three largest reservoirs by surface acres	
Kentucky Lake (Kentucky portion).....	57,103
Cumberland Lake	47,623
Barkley Lake (Kentucky portion)	42,780
Wetland acres (approximation) ⁵	324,000

¹US Census Bureau

²United States Geological Survey

³Hydrologic unit code

⁴National hydrography dataset

⁵*The state of Kentucky’s environment: 1994 status report.* The Kentucky Environmental Commission, 1995.

The physiography of Kentucky provides a landscape of 25-Level IV Ecoregions (Figure 2.1-1) that are diverse geologically and physically and provide a variety of microclimates that are important in forming and supporting diverse plant and aquatic communities. This rich aquatic biodiversity is a result of an environment that provided long and stable conditions. However, sediments and rocks were transported into northern Kentucky along the Ohio River by meltwaters from glacial ice that covered much of eastern America north of the Ohio River during the Quaternary (Pleistocene Epoch)

(<http://www.uky.edu/KGS/geoky/quaternary.htm>) (accessed October 17, 2013) .

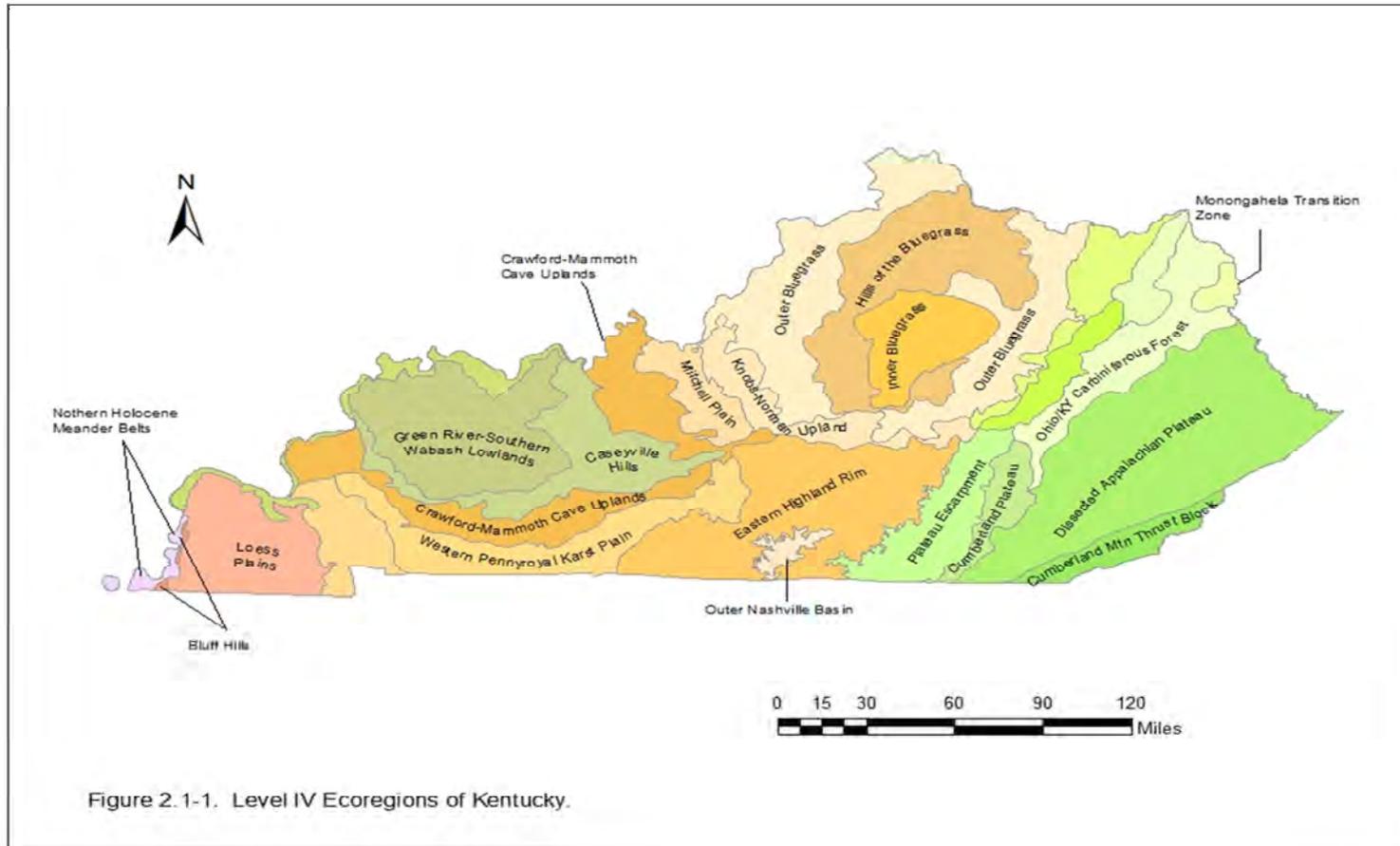


Figure 2.1-1. Level IV Ecoregions of Kentucky.

Figure 2.1-1. Level IV Ecoregions of Kentucky.

While the state has many miles of streams and rivers, natural lakes are uncommon and are found along the Lower Ohio and Mississippi rivers in the Jackson Purchase (region west of the Tennessee River [Reservoir]); most of these lakes were formed by oxbows or shallow depression basins. Many of the major rivers in the Commonwealth have been dammed for flood control and secondarily to provide generation of electricity. This change has altered the natural aquatic communities of these systems while providing drinking water supplies, tourism and recreational opportunities. While only a portion of wetlands exist from what was estimated to have occurred historically (1.5 million acres), loss of wetland acreage has slowed with federal and state regulations and disincentives in place for altering wetlands (The Kentucky Environmental Commission, 1995). By river basin, the Green River has the largest proportion of remaining wetland acres, approximately 88,000. As indicated by the number of caves in Kentucky, there are significant karst areas in the state, but the largest karst landscape exists in the Green River basin, which includes Mammoth Cave. These areas of karst present special concerns for water quality protection because groundwater flows may be unknown and difficult to monitor due to limited access.

2.2 Programmatic

In order to better characterize the waters of the state and better coordinate resources toward addressing problems, Kentucky adopted a Watershed Management Framework in 1997. The purpose of this management framework is to use programs, people, information, and funds as efficiently as possible to protect, maintain, and restore water and land resources. This approach provides a framework within which participating individuals and institutions can link and support mutually complimentary project and monitoring goals for watershed management.

Coordinated, multi-agency watershed monitoring was initiated in 1998 in the Kentucky River basin, and monitoring for the first five-year watershed cycle was completed in 2002. The first five-year cycle of monitoring focused on obtaining a snapshot of conditions of Kentucky's waters, especially

wadeable streams. Most local, state, and federal agencies in Kentucky with monitoring responsibilities cooperated in the watershed monitoring effort. Some agencies simply provided their data and carried out monitoring as usual; others revised their sampling programs and sampling methods for better fit with the watershed monitoring plan.

The same general monitoring goals were implemented from the first monitoring cycle for the second five-year cycle. The general BMU monitoring strategy to characterize and track watershed health was continued through implementation of fundamental monitoring programs. These programs consist of the ambient monitoring of physicochemical water quality properties through a network of permanent stations that have the design and monitoring requirements necessary for statistical trends analyses, probabilistic biosurvey in wadeable streams that provide data for statistical analyses of the aquatic life use support in each BMU, and targeted biological and physicochemical monitoring program on a subset of reference reach streams.

During this third cycle, the TMDL Section continued intensive monitoring of select watersheds as TMDL development increased. Monitoring for TMDL development has focused on pathogens for primary and secondary contact recreation, pH often associated with mined lands, metals and recently nutrient (commonly nitrogen and phosphorus) impaired watersheds.

Monitoring aspects started in the second BMU cycle began a concerted effort to monitor specific bioregions or ecoregions so analyses for the development of numeric nutrient criteria could begin. The preferred method for numeric nutrient criteria development will be based on biological response thresholds from nutrients, and at a concentration to prevent aquatic life use impairment. Existing fish, macroinvertebrate and diatom community data from intensive bioregion monitoring between 1999 and 2007 were analyzed to identify possible nutrient thresholds to total nitrogen (TN) and total phosphorus (TP) where there was clear change in biological integrity or community structure. These analyses were used to identify regions with good or poor relationships, recognize potential confounding factors and

prioritize further data collection needs. Data from the KDOW's reference reach water bodies were teased from the composite of all data to estimate nutrient concentrations from the least impacted, biologically diverse aquatic habitats in each bioregion, and certain ecoregions (Figure 2.1-1). Biological responses to varying nutrient concentrations were studied closely in the Crawford-Mammoth Cave Uplands Ecoregion. A report on this study describing the analysis of nutrient breakpoints associated with a recognized macroinvertebrate community response was published by USGS and can be accessed at <http://pubs.usgs.gov/sir/2010/5164>. Hydrological effects on water quality samples, specifically a suite of nutrient constituents, were characterized from a subset of reference reach streams across the range of ecoregions and watershed sizes under high flow (runoff conditions) and low flow conditions.

According to the adopted framework, the state is divided into five BMUs (Figure 2.2-1) for the purposes of focusing management activities spatially and temporally. Activities within each of the five units follow a 5-year cycle so efforts can better be focused within a basin. Phases in the current cycle include: 1) identification of priority areas (water bodies or watersheds), 2) data requirements for each specific study or project, 3) implement specific monitoring approach for those identified studies or projects, 4) use of both probabilistic and targeted monitoring strategies as suited, and 5) implement data requirements, monitoring strategy/s and action through appropriate methodologies and programs (Figure 2.2-2). State and federal agency partners participate in the process that provides a collaborative mechanism for information exchange between interested parties engaged in an active role in management of natural resources. Examples of how other agencies have gotten involved in the monitoring and assessment process include the Kentucky Department of Fish and Wildlife that monitor streams in a given BMU using the KDOW's fish biosurvey protocols. This has resulted in many stream assessments that would not have been possible without this additional resource. It has worked well for both agencies providing a better understanding of stream health and conditions to both

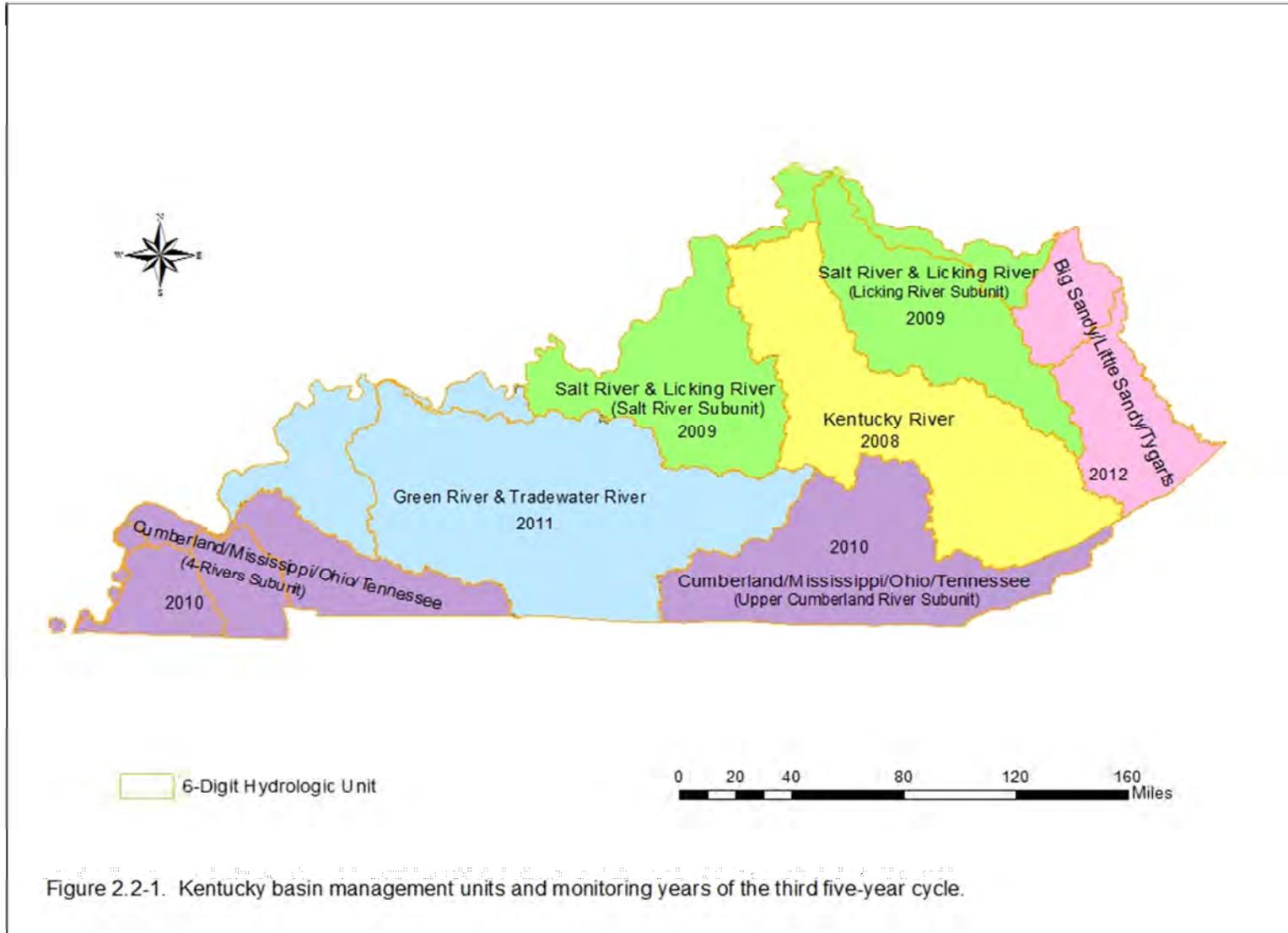


Figure 2.2-1. Kentucky basin management units and monitoring years of the third five-year cycle.

agencies while increasing the number of stream miles the Commonwealth has monitored and can report. The U.S. Forest Service has cooperated through the use of both targeted and probabilistic biosurvey programs on the Daniel Boone National Forest following the protocols of the KDOW. With budget and personnel reductions over the last several years the USACE (United States Army Corps of Engineers) and KDOW have shared resources (staff and laboratory capacity) to accomplish mutual need of continued reservoir monitoring. The KDOW has over 25 years of historic data on many publicly owned reservoirs.

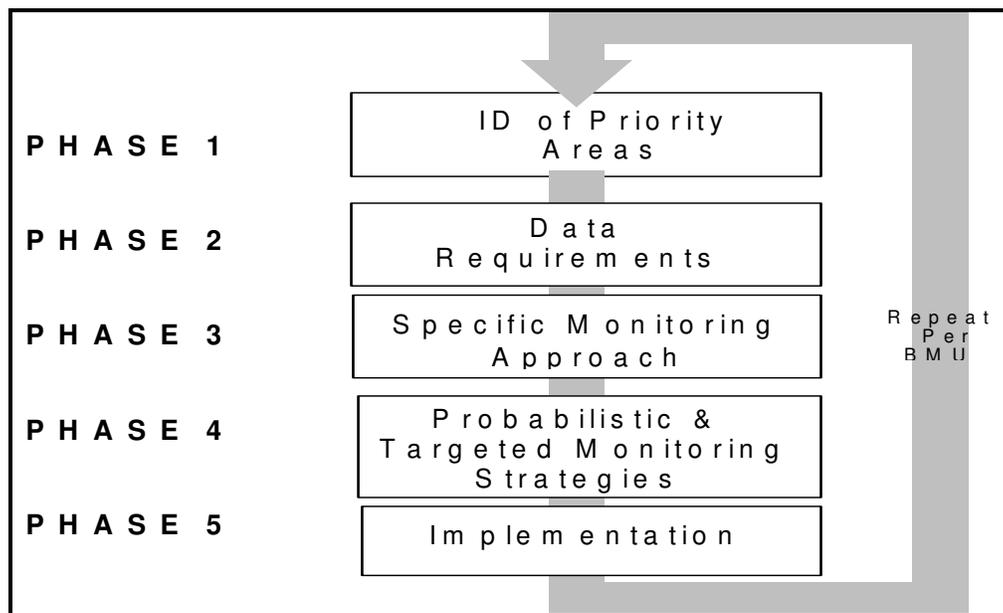


Figure 2.2-2. Phases of the third cycle monitoring of the basin management unit approach (2008 – 2012).

Each BMU will follow the rotation of the third cycle of the watershed management framework according to the schedule below. The following is the cycle beginning with planning phase-year with the monitoring and assessment in years two and three, respectively. Monitoring activities begin in April and end in March the following year.

- April 2008 – March 2009 – Kentucky River basin
- April 2009 – March 2010 – Salt River and Licking River basins

- April 2010 – March 2011 – upper Cumberland River and 4-Rivers (lower Cumberland, Ohio, Mississippi and Tennessee rivers) basins
- April 2011 – March 2012 – Green River and Tradewater River basins
- April 2012 – March 2013 – Big Sandy River, Little Sandy River and Tygarts Creek basins

Benefits of this approach include:

- Planning and determination of monitoring strategy developed on a watershed approach for TMDL-specific monitoring;
- Increased coordination of resource management activities focused on identified priorities in each basin;
- Greater ability to stretch limited dollars for implementation activities through partnering and coordination of efforts; spin-off benefit of the initial BMU cycle approach;
- Collaboration of state and federal agencies effectively increasing manpower, expertise and environmental disciplines;
- Additional data as monitoring efforts are coordinated – approximately a four-fold increase in assessment data has been realized since the inception of the watershed approach in 1998; and
- Increase in quality assurance of data as agencies standardize methods and procedures.

The 2004 305(b) Report represented the completion of the first monitoring and assessment cycle of the five BMU management framework. Whereas the purpose of monitoring in the first watershed cycle was to obtain baseline data statewide, monitoring in the second cycle (begun in 2003) focused on impaired watersheds. The focus in the third cycle is on impaired watersheds, but special data needs will also drive this cycle. For example, special studies to derive data in the effort to develop numeric nutrient criteria for wadeable streams and reservoirs continue in the third cycle. Continued, ambient monitoring will be maintained at long-term stream, lake and reservoir stations, probabilistic biosurveys, and on a subset of reference reach streams to monitor the current physicochemical and biological condition of those watersheds.

2.2.1 Overview of Programs Related to Monitoring and Assessment

The Division of Water has the primary responsibility of monitoring and assessing the Commonwealth's water resources, and overseeing the permitting of facilities and industries that discharge point sources to waters through Kentucky Pollutant Discharge Elimination System (KPDES).

To monitor the designated uses of Kentucky's waters and monitor the effectiveness of various control programs, such as KPDES, the KDOW has a number of monitoring programs to monitor biological and water quality indicators for 305(b) and 303(d) purposes. Table 2.2.1-1 highlights the monitoring programs and the indicators associated with each. A more comprehensive discussion of surface water quality monitoring programs follows in Chapter 3.

For those waters requiring a TMDL pollutant reduction, the division's TMDL program manages this process by coordinating the monitoring and development of those discharge or load reductions necessary to bring the impaired designated use (DU) into full support. The primary source of pollutants affecting the Commonwealth's waters emanate from nonpoint sources (NPS). Both within the Commonwealth and nationally, pathogen indicators (bacteria), sedimentation/siltation and nutrients continue to be the leading causes of impairment; this is a direct reflection on NPS pollution being the most significant source of degradation to water bodies.

The primary objectives of the ambient monitoring program were to establish current conditions and long-term records and trends for water quality, biological health, and fish tissue residue in the state's major watersheds. Sub-objectives were identified as determining: 1) the quality of water in outstanding resource waters; 2) background or baseline water quality conditions in streams not impacted by discharges; 3) the extent to which point and nonpoint sources affect trophic state of lakes and reservoirs; and 4) the impact of acid precipitation on water quality of lakes and reservoirs. There are 72 primary water quality stations throughout the Commonwealth that are monitored on a monthly or bimonthly frequency.

Table 2.2.1-1. Waterbody resources and monitoring programs.

	Long-term Surface Water ^a	Rotating Surface Water ^a	Targeted Biological Monitoring ^{b,c}	Reference Reach ^b	Probabilistic Biosurvey ^d	Lake Monitoring ^e	Ground-water & Springs Monitoring ^a
Wadeable Streams (1 st -5 th order)		X	X	X	X		
Large (boatable) Rivers	X	X	X				
Lakes/Reservoirs						X	
Groundwater							X
Swamps/Wetlands ^f	--	--	--	--	--	--	--

^aIndicators: physicochemical and pathogen indicator.

^bIndicators: macroinvertebrates, fish, algae, physicochemical, habitat.

^cIncludes some 6th order streams where wadeable and associated with ambient water quality stations.

^dIndicators: macroinvertebrates, physicochemical, habitat.

^eIndicators: physicochemical, fish kills, macrophytes, algae.

^fMonitoring methodology under development.

Primary water quality stations are monitored monthly during a given BMU water-year, and those stations outside of the current water-year BMU are monitored bimonthly. These stations are located at mid- and lower watershed reaches of 8-digit HUC basins. Station location also occurs near the inflow and outflow of major reservoirs, for example Green River Reservoir in the Green River basin. Implemented with the rotating basin management approach were the rotating watershed stations. These stations are monitored for the same suite of water quality parameters as the primary stations, but are established to provide monitored data in smaller watersheds for a variety of reasons. Those primary considerations for watershed monitoring are: 1) TMDL development, 2) characterize water quality in reference watersheds, 3) monitor waters that receive permitted discharge (for instance a municipal wastewater treatment plant) to characterize upstream and downstream water quality, and 4) characterize water quality conditions in certain landscapes, such as agricultural or resource extraction (mining) areas.

KDOW's biological monitoring program has a long history in aquatic resource monitoring to determining the health and long-term water quality of stream and river resources. In addition to conducting biological community surveys, water quality variables are included in the monitoring program. Biological monitoring was implemented in the 1970s with significant refinement of the program as more research led to the development of biological multimetric indices, *The Kentucky Macroinvertebrate Bioassessment Index (MBI)* and *The Kentucky Index of Biotic Integrity (KIBI)* (accessible at: <http://water.ky.gov/Pages/SurfaceWaterSOP.aspx>). A portion of KDOW's biological monitoring emphasis was shifted to development of those metrics and associated criteria through a reference reach approach. This was implemented in the 1990s based on an ecoregional approach to determine reference conditions in each basin. These waters do not represent pristine conditions rather they represent the best examples of least disturbed, high quality water and biological integrity in each of the four identified bioregions. Through this effort a network of streams, or stream reaches that represent reference biological conditions, have been identified throughout the Commonwealth. These stream reaches are listed in water quality standards, 401 KAR 10:030 and can be accessed at: <http://www.lrc.ky.gov/kar/401/010/030.htm>. One to three biological communities (macroinvertebrates, fishes, or algae) were sampled per biosurvey. When one community only was used to make an aquatic life use support determination, either macroinvertebrates or fishes were monitored, typically the former.

A random biosurvey effort was initiated with the help of EPA's technical support group in Corvallis, Oregon. Kentucky's approach was to sample macroinvertebrates once at 50 sites in each BMU. In 2004 nutrients and additional chemical water quality variables were added to the suite of indicators used by this program. These additional data were added to aid in the development of numeric nutrient criteria, gain a more comprehensive knowledge of what ambient water quality variable values were in each BMU, and increase the confidence of each aquatic life use assessment. This program allows KDOW to report on aquatic life use support in wadeable streams on a BMU and statewide scale over the five year watershed cycle. Section 305(b) use support determinations made through the

probabilistic biosurvey program were made only on segments directly monitored, whereas extrapolated use support over a given BMU was used for informational purposes, resource conditions and planning purposes only. This program is important both on the statewide level as well as national level, as indicated by EPA's nationwide probabilistic monitoring efforts in wadeable streams, lakes and reservoirs, large rivers and a planned survey of wetlands.

The lake and reservoir monitoring program began in the early 1980s as part of the Clean Lakes monitoring initiative. Currently, KDOW monitors all significant publicly- owned lakes and reservoirs in the state (approximately 105 waterbodies). Many of the U.S. Army Corps of Engineers (USACE) reservoirs and Kentucky Lake, a Tennessee Valley Authority (TVA) project, were typically monitored by those respective agencies and KDOW, meeting each agency's data requirements. The working relationship between KDOW and USACE Louisville and Nashville districts has proved to be a good cooperative effort that is beneficial to both parties by increasing available resources (e.g. USACE may provide the field work and KDOW, in coordination with Division of Environmental Program Support [DEPS] provides chemical analyses).

Physicochemical water quality variables and chlorophyll *a* were analyzed to determine current Trophic State status of these water bodies. Monitoring occurs three times during the growing season (spring, summer and fall) to capture the seasonal variability and is reflected in an overall trophic state status of the resource. By monitoring these resources every five years trends in water quality can be measured. This monitoring program collects data sufficient to determine aquatic life, secondary contact recreation (in some instances PCR) and drinking water supply DUs. The majority of these resources are posted by Kentucky Fish and Wildlife Department as "no swimming" water bodies, precluding applicability of PCR monitoring.

2.3 Costs Associated with Water Pollution

Putting a dollar figure on the costs associated with water pollution is difficult to determine. However, the costs associated with KPDES-permitted facilities, which are primarily comprised of industrial facilities, package wastewater treatment plants, and municipal wastewater treatment plants, are in the tens of millions of

dollars considering construction, operating, maintenance, compliance, and administrative costs. Figures obtained from KDOW, Facilities Construction Branch give some insight into the costs associated with treating household, business and industrial wastes (Table 2.3-1).

However, these costs are only a portion of the total costs to society. The increased cost of technology needed to treat potable water in areas of heavy siltation/sedimentation alone may result in loss of source water supply because the cost of treatment is prohibitive, while areas of organic industrial contamination may require expensive continuous carbon-based treatment. Medical and loss of productivity costs associated with various diseases that may result from waterborne pollution are not known.

Table 2.3-1. Costs to taxpayers for municipal wastewater treatment facilities (planning, design and construction) for the control of pollution from houses, businesses and industries.

	Clean Water State Revolving Fund	EPA Special Appropriation Grants	American Recovery & Reinvestment Act
FFY 2013	20,390,400	-0-	-0-
FFY 2012	21,584,400	-0-	-0-
FFY 2011	22,552,800	-0-	-0-
Prior to FFY 2011	483,656,877 (first loan made in 1988)	62,267,002 (first grant awarded in 1998)	49,878,100
Total	\$548,184,477	\$62,267,002	\$49,878,100

For example, consumption of fish flesh that has elevated levels of mercury carries increased reproductive health risks for women of childbearing age and developmental health concerns for children. Fish contaminated with elevated levels of PCBs carry increased cancer risks to the general population. Pollutants affect commercial fisheries where restricted consumption, or loss of resources reduces the commercially available fish population; additionally, some members of society rely on subsistence fishing to supply a portion of their nutritional needs. Water pollution may also result in loss of revenue to governments and local businesses if recreation areas are unsafe for swimming or fishing. The shipping industry relies on barges to move many commodities around the nation, and the cost of maintaining shipping channels prone to fill due to excess sedimentation is an ongoing expense to both industries and governments.

2.4 Monitoring and Assessment Issues Facing the Commonwealth

The challenges facing the Commonwealth and nation during this time of reduced agency budgets has resulted in little opportunity for expansion of monitoring programs. Through these challenges, the KDOW has maintained its core monitoring programs, and taken on special projects, especially related to development of draft numeric nutrient criteria. However, the immediate issue is sufficient personnel to conduct an all encompassing monitoring program that has the capacity to not only maintain core programs, but is capable of implementing pre- and post-monitoring studies associated with permitting programs. Requisite with the monitoring needs, there is a longstanding need for technical staff to fully manage the data. Ongoing efforts over the last several years are leading to the development of a multi-programmatic database by the KDOW to manage all water quality data. This database will provide the agency with a platform to manage comprehensively physical, chemical, station and monitoring events providing a one-stop warehouse for water quality data. The final data-type that will be incorporated into this database will be the biological data generated by agencies.

Data are almost always collected to address specific programmatic requirements or needs; however, data collected in conjunction with the programmatic requirements often could be explored in varying ways and associations that would result in data utilization and application to a wide-range of resource management objectives. The development of an updated monitoring strategy and centralized data warehouse is expected to help better incorporate water quality data with programmatic needs to a more comprehensive extent.

Pertaining to numeric nutrient criteria, KDOW assessed the data on-hand that was related to numeric nutrient criteria development in certain types of waterbodies. It was determined there existed more information associated with wadeable streams and the decision was made to focus on that waterbody type to begin nutrient criteria development. As data gaps and associations needed to tie water quality data to biological data in regions became apparent, a plan to move forward with studies to address those needs was developed. While a substantial amount of data have been collected, there continues regions where statistical analyses have not indicated definitive correlation between biological community

structure and nutrient concentrations. The response of the biological community to increasing nutrient concentration is strongly desired in order to produce protective numeric nutrient criteria for the aquatic habitat. However, the agency is exploring reprioritization of waterbody-types for numeric nutrient development. Water column chemistry data are relatively complete and span approximately 25 years. Along with water column physical and chemical data, the suite of water quality constituents provide information necessary to characterize the trophic state of these water bodies during the growing season; samples are collected spring, summer, and fall. The majority of reservoirs have remained stable according to the TSI (trophic state index), but there were trends of increased trophic level occurring in some waters.

An advantage of moving reservoirs to the forefront of nutrient criteria development is that there are fewer variables associated with the complexity of flowing water bodies. Also, the greater number of examples and experiences nationally with reservoir nutrient criteria development to draw upon in this effort may prove beneficial in this effort.

In the interim of nutrient criteria development, the KDOW began addressing organic enrichment problems through applying a 1 mg/L total phosphorus discharge limit to those waters impaired by nutrients, along with increased nutrient sampling.

Kentucky's wetlands are primarily bottomland hardwood systems that flood seasonally, corresponding to the winter and spring rainy season. Any excess nutrients will likely have a subtle impact on these environments since the supply of water comes from flooding rivers, and seasonal inundation. These bottomland hardwoods naturally do not hold standing surface water for a prolonged period of the year.

To date, there have been no recognizable geographic patterns in mercury levels in fish tissue in Kentucky. A potential strategy to aid in detecting a possible pattern may be moving toward a geographically large, random monitoring scheme. As with many programs, less than one full time equivalent was charged with managing this program, including sample collections and tissue preparation. A goal of this program was to get the equipment and personnel to analyze tissue residue

for the methylated form of mercury. This was realized during the state fiscal year 2012.

States are now faced with the situation where they are asked to maintain a robust ambient monitoring program to characterize and track conditions of the state's waters (305[b] reporting) and at the same time collect data for TMDL development in hundreds of impaired water bodies and segments, eventually tracking the success of implementation. Like most states, Kentucky's schedule requires hundreds (over 2,500 as of the 2014 IR cycle) of TMDLs be developed. The 2002 303(d) list had 946 pollutant/water body combinations and those TMDLs are scheduled to be developed by 2015. Additional staff, lab resources, and especially contractual monies, must be obtained to accomplish this workload. KDOW is working to establish arrangements to fund TMDL planning, data collection, lab analysis, and development with internal, contractual, and interested third-party resources, including volunteer organizations.

Industrial and point source monitoring is important to the Commonwealth's assessment of the effectiveness of permitted facilities adhering to their permit limits, and if the permitted limits are appropriate and protective for the receiving waters. The primary target of this monitoring program would be to gage the biological integrity in these waters. This monitoring need may only be fulfilled with significant monetary and personnel resources; however, neither of these resources will likely become sufficient anytime soon. This permit biomonitoring program would help fulfill sections 301, 302, 303, 305, 306, 307, 308, 314 and 402 of the CWA. Milestones would be incremental, with resources initially directed to pre-permit biomonitoring. As resources increase biomonitoring would be implemented prior to permit renewals. The earliest implementation would be 2016 and, given the resources needed to undertake this objective, it is currently not viewed as realistic in this timeframe.

Chapter 3. Surface Water Monitoring and Assessment

3.1 Monitoring Program - General

Kentucky Division of Water has used NHD 1:24,000 scale maps for monitoring, planning, and assessment since 2004. As noted in Chapter 2, there are

over 90,000 miles of streams in the Commonwealth at this resolution. The Green – Tradewater BMU is emphasized in the 2014 IR since the DOW monitoring focused on that BMU in water-year 2011 (April – March) and the data were available to produce assessments for the current 305(b) cycle. Table 3.1-1 provides population of stream miles for this BMU by river basin, including the minor Ohio River minor tributaries associated within the BMU.

Table 3.1-1. Total stream miles (NHD 1:24,000 scale) of respective river basins in the Green – Tradewater BMU.

Green - Tradewater BMU.....	23,795
Green River Basin (incl. Ohio River minor tributaries)	18,858
Tradewater River Basin (incl. Ohio River minor tributaries).....	
.....	4,937

In this reporting cycle, primary monitoring occurred in 10 of the state’s 42 eight-digit HUCs (hydrologic unit codes) established by the U.S. Geological Survey (USGS). Table 3.1-2 provides data on the number and types of water bodies assessed and stream segments for each monitoring program for water-year 2011. In the Green – Tradewater BMU, those data are from HUCs 05110001, 05110002, 05110003, 05110004, 05100005, 05110006, 05140201, 05140202, 05140203 and 05140205. Many of these assessments stemmed from intensive watershed monitoring in 2011 water-year, and data from water years 2007 – 2011 were considered for assessment at the primary long-term water quality stations and for domestic water supply use. However, some data more than five years old were considered valid this reporting period, particularly biological data.

Springs were added to the KDOW’s monitoring program during the 2008 305(b) cycle. These are significant resources in karstic regions of the state. Karst can be found in every basin of the Commonwealth, but is most common in south-central Kentucky, particularly in the Green River basin. Given the sensitivity of groundwater to land use, subsurface (losing) streams and associated surface waters in regions of porous limestone, monitoring significant springs was made a priority by the KDOW. This effort was undertaken by KDOW’s Groundwater Section following the Water Quality Branch’s SOP used for surface water quality monitoring

programs. The statewide locations of monitored and assessed springs are shown in Figure 3.1-1.

Table 3.1-2. Numbers of streams, stream segments, lakes and reservoirs assessed in the Green – Tradewater BMU and Ohio River during the water years of 2011 and 2012.

BMU	Number of Streams	Number of Stream Segments	Number of Lakes	Number of Reservoirs	Number of Springs
Green	262	384	0	22	11
Tradewater	63	75	0	6	0
Ohio River Minor Tributaries	41	50	0	5	0
BMU Total	366	509	0	33	11
Ohio River	1	49	0	0	0
Total	367	558	0	33	11

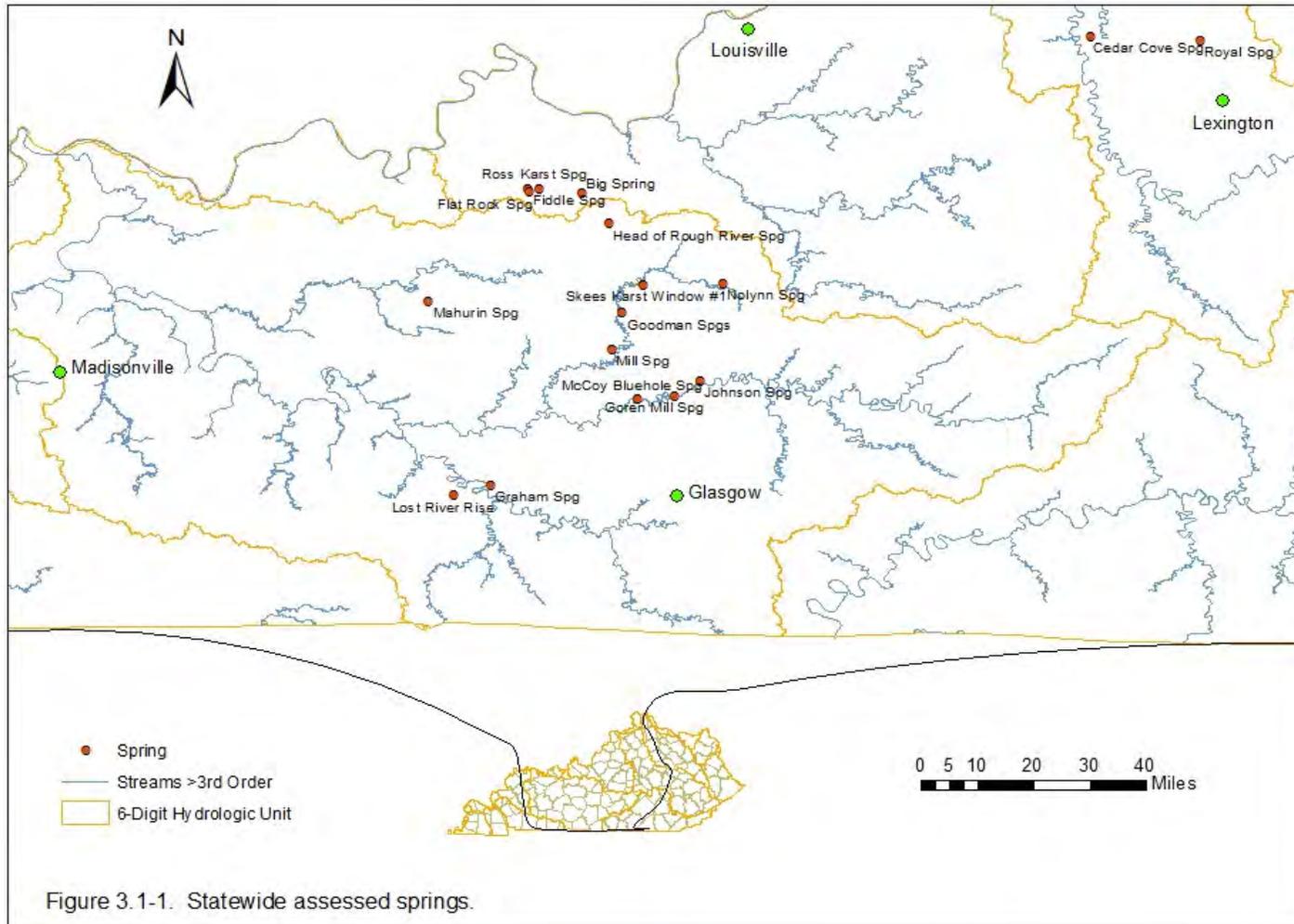


Figure 3.1-1. Statewide assessed springs.

3.1.1 Ambient (Long-Term) Monitoring Network

Water Quality. Kentucky Division of Water's statewide ambient water quality monitoring network consists of 72 fixed stations (Table 3.1.1-1 and Figure 3.1.1-1). This network was expanded from 44 to 72 in 1998 following the watershed approach adopted by the Commonwealth in 1997. Primary ambient stations were located in the downstream and mid-unit reaches of USGS 8-digit HUCs, upstream of major reservoirs and in the downstream reaches of major tributaries. The Green – Tradewater BMU has 18 ambient stations (Table 3.1.1-1). The ambient stations of a BMU are sampled monthly during the water year the unit is in phase. During the intervening four water years, sampling frequency is reduced to bimonthly to devote more monitoring and laboratory resources to the rotating watershed water quality network (discussed later). Field measurements are taken for pH, dissolved oxygen, specific conductance and temperature; samples are analyzed for nutrients and metals; pesticides and herbicides are included if the streams drain predominantly agricultural or residential districts of urban areas. During the recreation season of May through October, water quality samples are collected to determine if levels of pathogen-indicating bacteria reflect a concern for people who recreate in these waters. The purpose of the ambient water quality network is to assess long-term conditions and trends on rivers and the larger streams of the state.

Biology. Fish, macroinvertebrate and algae data from select ambient stations provide long-term information on the mainstem of rivers and many major tributaries. The ambient biological stations are located at sample points on streams where primary water quality samples are collected monthly or bi-monthly for physicochemical water quality variables. The monitoring of biological communities is discussed in detail in Section 3.1.4.

Fish Tissue. Tissue is analyzed for methylmercury, selenium, Polychlorinated biphenyls (PCBs), chlordane, dichlorodiphenyltrichloroethane (DDT) and toxaphene. Results are used to determine if potential problems exist with contaminants in fish tissue that require further sampling. These results are used to make fish consumption support determinations on specific water bodies or segments. The widespread pollutant of concern in Kentucky fishes is mercury. The following criteria for methylmercury were used to determine level of use support for 305(b) determination: 0.0 – 0.34 ppm was full

use support, between 0.34 – 1.0 ppm was partial support, and greater than 1.0 ppm was nonsupport. The EPA methylmercury fish tissue criterion is written with accuracy to the tenths place (two significant digits); therefore, the KDOW rounds to the nearest tenth mg/Kg. For example, if the laboratory results are less than 0.35 mg/Kg the waterbody is assessed as fully supporting. If results were not elevated, no further fish tissue sampling was conducted. This method of assessment closely follows EPA's recommended application of basing water quality evaluation for total mercury on fish tissue concentration of methylmercury.

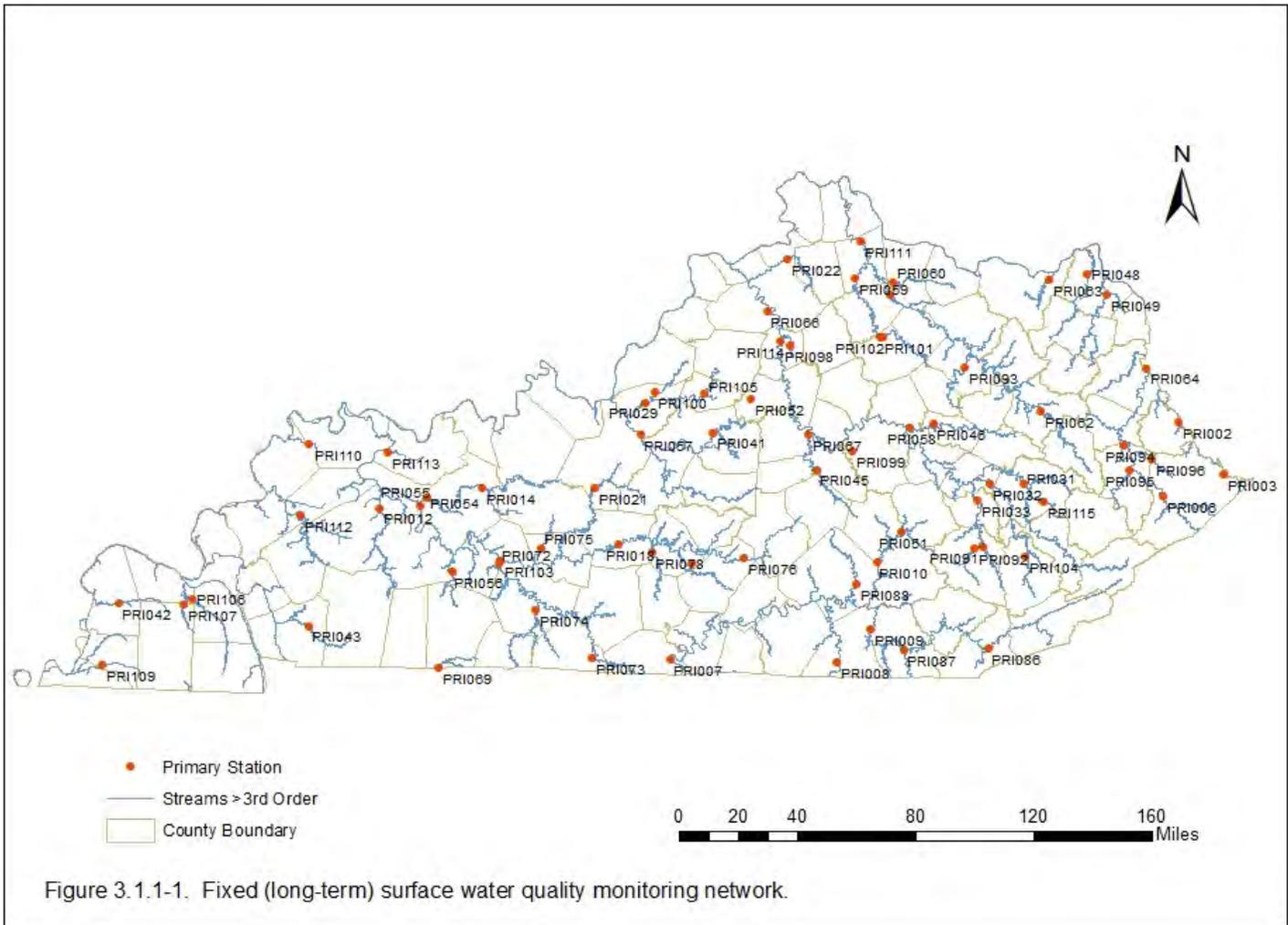


Figure 3.1.1-1. Fixed (long-term) surface water quality monitoring network.

Table 3.1.1-1. Statewide primary water quality stations with the Green – Tradewater Basin Management Unit highlighted.

<u>River Basin & Stream</u>	<u>Station</u>	<u>HUC</u>	<u>Mile point</u>	<u>Location</u>	<u>Latitude (dd)</u>	<u>Longitude-W (dd)</u>	<u>Collection Frequency^a</u>	<u>Station Type</u>
<u>Big Sandy</u>								
^a Tug Fork	PRI002	05070201	35.5	at Kermit, WV	37.8379	82.4097	Bi-monthly	hydrologic unit index site
^a Tug Fork	PRI003	05070201	78.3	at Freeburn	37.56615	82.14358	Bi-monthly	mid-hydrologic unit index site
^a Levisa Fork	PRI006	05070202	87.8	nr Pikeville	37.46435	82.52589	Bi-monthly	hydrologic unit index site
^a Levisa Fork	PRI064	05070203	0.2	nr Louisa	38.116	82.6002	Bi-monthly	hydrologic unit index site
^a Levisa Fork	PRI094	05070203	48.3	at Auxier	37.72905	82.75436	Bi-monthly	mid-hydrologic unit index site
^a Beaver Creek	PRI095	05070203	1.1	at Allen	37.6028	82.72754	Bi-monthly	major tributary
^a Johns Creek	PRI096	05070203	26.6	at McCombs	37.6553	82.587	Bi-monthly	inflow to Dewey Res. major tributary
<u>Little Sandy</u>								
^a Little Sandy River	PRI049	05090104	13.45	at Argillite	38.49053	82.83404	Bi-monthly	hydrologic unit index site
<u>Tygarts Creek</u>								
^{a,b} Tygarts Creek	PRI048	05090103	24.8	nr Lynn	38.5997	82.9528	Bi-monthly	hydrologic unit index site
<u>Cumberland River</u>								
Cumberland River	PRI086	05130101	654.25	at Calvin	36.72244	83.62537	Bi-monthly	mid-hydrologic unit index site
Cumberland River	PRI009	05130101	553.8	at Cumberland Falls	36.83558	84.34015	Bi-monthly	hydrologic unit index site
Clear Fork	PRI087	05130101	0.95	nr Williamsburg	36.72617	84.14224	Bi-monthly	major tributary
^a Rockcastle River	PRI010	05130102	24.9	at Billows	37.17137	84.29673	Bi-monthly	hydrologic unit index site
^a Horse Lick Creek	PRI051	05130102	0.05	nr Lamero	37.32011	84.13841	Bi-monthly	special interest watershed
Cumberland River	PRI007	05130103	388.0	nr Burkesville	36.68879	85.5667	Bi-monthly	hydrologic unit index site
Buck Creek	PRI088	05130103	12.55	nr Dykes	37.0601	84.4264	Bi-monthly	major tributary
^a S. Fk. Cumberland R.	PRI008	05130104	44.6	at Blue Heron	36.6703	84.5492	Bi-monthly	hydrologic unit index site
^{a, b} Little River	PRI043	05130205	21.9	nr Cadiz	36.84104	87.77731	Bi-monthly	major tributary
^b Red River	PRI069	05130205	49.6	nr Keysburg	36.64063	86.97961	Bi-monthly	hydrologic unit index site
<u>Kentucky River</u>								
^{a, b} Eagle Creek	PRI022	05100205	22.6	at Glenco	38.7061	84.8254	Monthly	hydrologic unit index site
^{a, c} Kentucky River	PRI114	05100205	56.35	at Frankfort	38.2901	84.879	Monthly	hydrologic unit index site
^b Kentucky River	PRI066	05100205	31.4	nr Lockport	38.445	84.9569	Monthly	hydrologic unit index site
^b Kentucky River	PRI067	05100205	121.8	at High Bridge	37.8201	84.7051	Monthly	hydrologic unit index site
^{a, b} Elkhorn Creek	PRI098	05100205	10.7	nr Peaks Mill	38.2686	84.81429	Monthly	major tributary

Table 3.1.1-1 (cont.). Statewide primary water quality stations with the Green – Tradewater Basin Management Unit highlighted.

<u>River Basin & Stream</u>	<u>Station</u>	<u>HUC</u>	<u>Mile point</u>	<u>Location</u>	<u>Latitude (dd)</u>	<u>Longitude-W (dd)</u>	<u>Collection Frequency^a</u>	<u>Station Type</u>
^{a, b} Dix River	PRI045	05100205	34.8	nr Danville	37.64176	84.66113	Monthly	hydrologic unit index site
^b Silver Creek	PRI099	05100205	6.1	nr Ruthton	37.73251	84.43674	Monthly	major tributary
^b Kentucky River	PRI058	05100204	195.75	nr Trapp	37.84675	84.08182	Monthly	hydrologic unit index site
^b Red River	PRI046	05100204	22.2	Clay City	37.86468	83.93316	Monthly	hydrologic unit index site
N. Fork Kentucky R.	PRI031	05100201	46.2	Jackson	37.55127	83.38464	Monthly	hydrologic unit index site
Troublesome Creek	PRI115	05100201	1.1	nr Caney School	37.45871	83.26384	Monthly	major tributary
^a Middle Fork Kentucky River	PRI032	05100202	8.45	nr Tallega	37.55505	83.59373	Monthly	hydrologic unit index site
Middle Fork Kentucky River	PRI104	05100202	72.25	nr Dryhill	37.18268	83.38259	Monthly	inflow to Buckhorn Lake
^a So. Fork Kentucky R.	PRI033	05100203	12.3	at Booneville	37.47513	83.67082	Monthly	hydrologic unit index site
Red Bird River	PRI091	05100203	5.5	nr Oneida	37.2369	83.645	Monthly	major tributary
Goose Creek	PRI092	05100203	4.9	nr Oneida	37.2328	83.69103	Monthly	major tributary
<u>Licking River</u>								
Licking River	PRI062	05100101	227.1	at West Liberty	37.9147	83.26169	Bi-monthly	inflow to Cave Run Reservoir
^a Slate Creek	PRI093	05100101	10.1	nr Owingsville	38.1415	83.7285	Bi-monthly	major tributary
^{a, b} Licking River	PRI061	05100101	79.35	at Claysville	38.52058	84.1831	Bi-monthly	mid-hydrologic unit index site
^{a, b} N. Fork Licking River	PRI060	05100101	5.45	nr Milford	38.58123	84.16566	Bi-monthly	major tributary
^{a, b} S. Fork Licking River	PRI059	05100102	12.0	at Morgan	38.6033	84.4008	Bi-monthly	hydrologic unit index site
^a Hinkston Creek	PRI102	05100102	0.2	at Ruddles Mill	38.30471	84.23778	Bi-monthly	major tributary
^a Stoner Creek	PRI101	05100102	0.7	nr Ruddles Mill	38.3029	84.2497	Bi-monthly	major tributary
^b Licking River	PRI111	05100101	35.3	at Butler	38.7898	84.3674	Bi-monthly	hydrologic unit index site
<u>Ohio River Tributary</u>								
^a Kinniconick Creek	PRI063	05090201	5.0	nr Tannery	38.57458	83.18811	Bi-monthly	major tributary
<u>Salt River</u>								
^{a, b} Salt River	PRI029	05140102	22.9	at Shepherdsville	37.98524	85.7172	Bi-monthly	hydrologic unit index site
^a Salt River	PRI052	05140102	82.3	at Glensboro	38.00231	85.06028	Bi-monthly	major reservoir inflow
Brashears Creek	PRI105	05140102	0.3	at Taylorsville	38.03040	85.35154	Bi-monthly	major tributary
^{a, b} Beech Fork	PRI041	05140103	48.7	nr Maud	37.83266	85.29610	Bi-monthly	major tributary
^{a, b} Floyds Fork	PRI100	05140102	7.5	nr Shepherdsville	38.03447	85.65936	Bi-monthly	major tributary
^{a, b} Rolling Fork	PRI057	05140103	12.2	nr Lebanon Jct.	37.82267	85.74787	Bi-monthly	hydrologic unit index site
<u>Green River</u>								
^{a, b} Green River	PRI018	05110001	229.1	at Munfordville	37.2687	85.8853	Bi-monthly	hydrologic unit index site
^b Green River	PRI076	05110001	335.8	at Neatsville	37.19954	85.1146	Bi-monthly	major reservoir inflow

Table 3.1.1-1 (cont.). Statewide primary water quality stations with the Green – Tradewater Basin Management Unit highlighted.

<u>River Basin & Stream</u>	<u>Station</u>	<u>HUC</u>	<u>Mile point</u>	<u>Location</u>	<u>Latitude (dd)</u>	<u>Longitude-W (dd)</u>	<u>Collection Frequency^a</u>	<u>Station Type</u>
^{a, b} Nolin River	PRI021	05110001	75.9	at White Mills	37.55536	86.03182	Bi-monthly	major reservoir inflow
^{a, b} Russell Creek	PRI077	05110001	12.8	nr Bramlett	37.1679	85.47005	Bi-monthly	major tributary
^b Little Barren River	PRI078	05110001	6.4	nr Monroe	37.2264	85.6776	Bi-monthly	major tributary
Bear Creek	PRI075	05110001	11.9	nr Huff	37.2488	86.3612	Bi-monthly	major tributary
^b Barren River	PRI072	05110002	0.8	nr Woodbury	37.17069	86.62052	Bi-monthly	hydrologic unit index site
^b Barren River	PRI073	05110002	108.7	nr Holland	36.69646	86.04678	Bi-monthly	major reservoir inflow
^b Drakes Creek	PRI074	05110002	7.6	nr Bowling Green	36.93492	86.39227	Bi-monthly	major tributary
^b Green River	PRI055	05110003	74.8	at Livermore	37.45319	87.10476	Bi-monthly	hydrologic unit index site
^b Mud River	PRI056	05110003	17.6	nr Gus	37.12324	86.90042	Bi-monthly	major tributary
Green River	PRI103	05110003	152.0	nr Woodbury	37.18242	86.61034	Bi-monthly	hydrologic unit index site
^b Rough River	PRI014	05110004	62.9	nr Dundee	37.5472	86.72139	Bi-monthly	mid-hydrologic unit index site
^b Rough River	PRI054	05110004	7.15	nr Livermore	37.49934	87.06574	Bi-monthly	hydrologic unit index site
^{b, c} Panther Creek	PRI113	05110005	2.7	nr W. Louisville	37.72497	87.31513	Bi-monthly	major tributary
^b Pond River	PRI012	05110006	6.7	nr Sacramento	37.44179	87.35285	Bi-monthly	hydrologic unit index site
Ohio River Tributary								
^{b, c} Highland Creek	PRI110	05140102	13.7	nr Smith Mill	37.75699	87.79514	Bi-monthly	major tributary
Tradewater River								
^{a, b, c} Tradewater River	PRI112	05140205	31.8	nr Piney	37.39678	87.84501	Bi-monthly	hydrologic unit index site
Tennessee River								
^b Clarks River	PRI106	06040006	17.6	nr Sharpe	36.9613	88.49322	Bi-monthly	hydrologic unit index site
^b W. Fork Clarks River	PRI107	06040006	8.6	nr Symsonia	36.93245	88.54396	Bi-monthly	major tributary
^{a, b, c} Bayou de Chien	PRI109	08010201	11.45	nr Cayce	36.61543	89.03025	Bi-monthly	major tributary
^{a, b} Mayfield Creek	PRI042	08010201	13.25	nr Magee Spgs	36.92989	88.94297	Bi-monthly	major tributary

^aLongterm ambient water quality stations that are also long-term ambient biological monitoring stations (covered under the biomonitoring QAPP)

^bStation where pesticides and herbicides are sampled for during April, May, June, July and October

^cStations created since 2004 (these changes were necessary for sampler safety issues)

3.1.2 Rotating Watershed Network

An interagency monitoring team established several objectives for the rotating watershed water quality monitoring stations. The objectives are: 1) obtain an overall representation of the quality of the basin's water resources; 2) determine water quality conditions associated with major land cover or land uses such as forest, urban, agriculture and mining; 3) characterize the basin's least impacted waters; and 4) collect data for establishing total maximum daily loads (TMDLs) as required by Section 303(d) of the Clean Water Act. Water quality parameters analyzed are similar to those described earlier for the ambient network.

The chemistry laboratory of the Kentucky Energy and Environment Cabinet analyzed water quality samples collected by KDOW. The rotating watershed water quality monitoring network consisted of 26 stations in the Green River – Tradewater River BMU (Figure 3.1.2-1 and Table 3.1.2-1).

Rotating watershed stations were typically located at the downstream reaches of USGS 11-digit HUC watersheds. Monthly sampling was conducted over the 12-month watershed monitoring period April 2011 – March 2012 to characterize the water quality of those watersheds. The KDOW follows water quality sample collection and preservation procedures described in *In-situ Water Quality Measurements and Meter Calibration*, and *Sampling Surface Water Quality in Lotic (streams) Systems SOPs* (<http://water.ky.gov/Pages/SurfaceWaterSOP.aspx>) (2009 and 2010, respectively).

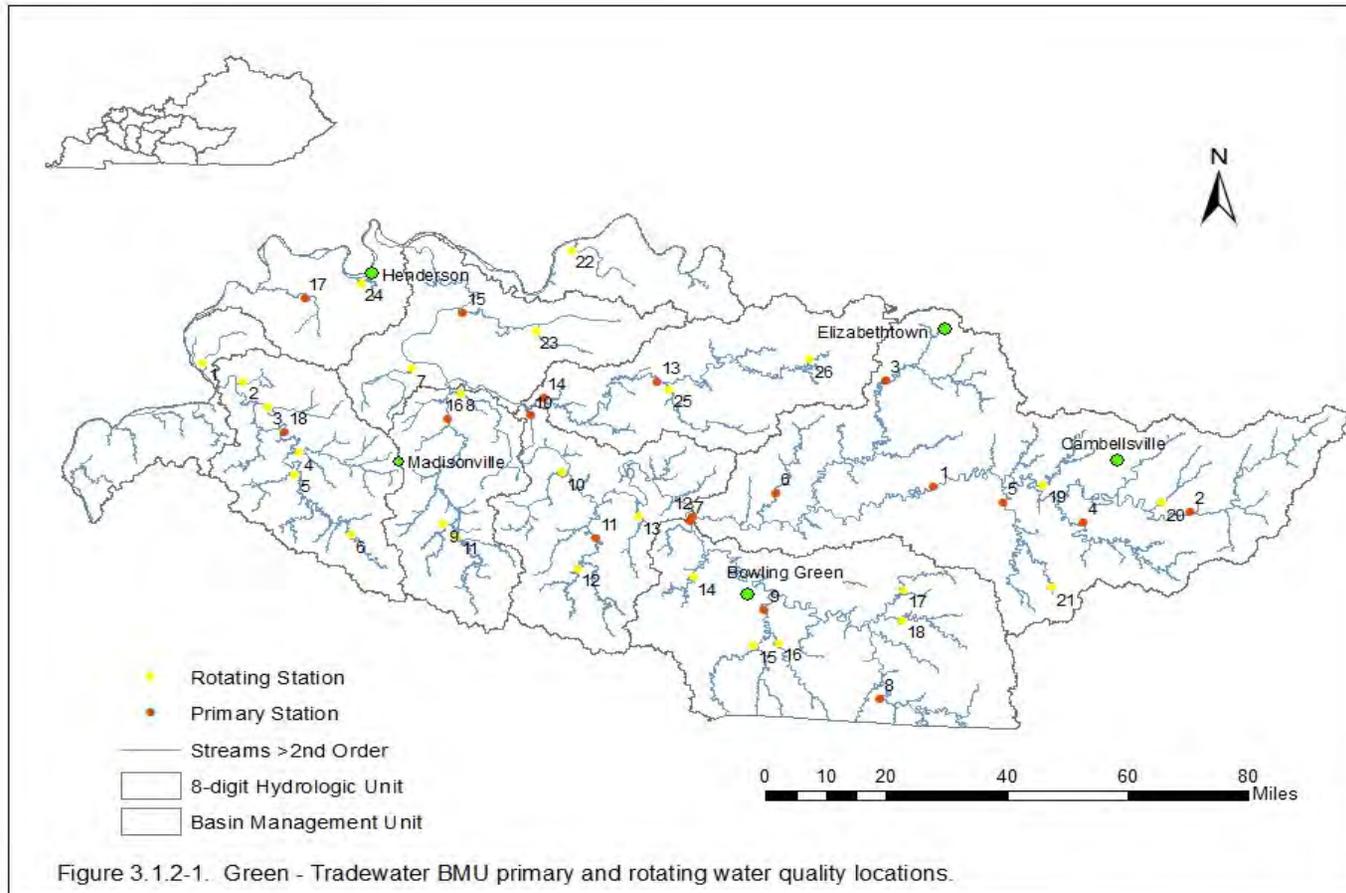


Figure 3.1.2-1. Green – Tradewater BMU primary and rotating water quality locations.

Table 3.1.2-1. Green – Tradewater River basin management unit rotating watershed water quality stations, sampled April 2011 – March 2012.

<u>Site ID</u>	<u>ID</u>	<u>Stream</u>	<u>Latitude</u>	<u>Longitude</u>	<u>Mile Point</u>	<u>Description</u>
GRN001	1	Dennis O’Nan Ditch	37.57904	-88.0979	2.1	nr Sturgis
GRN002	2	Cypress Creek	37.530746	-87.97505	2.1	nr Ramsey
GRN003	3	Vaughn Ditch	37.4635	-87.8985	0.9	nr Derby
GRN004	4	Clear Creek	37.3425	-87.8003	1.5	nr Providence
GRN005	5	Donaldson Cr.	37.284	-87.8103	2.3	nr Fryer
GRN006	6	Tradewater R.	37.123	-87.6392	104.0	nr Dawson Springs
GRN012	7	Deer Creek	37.573	-87.465	3.1	nr Onton
GRN013	8	Cypress Cr.	37.509	-87.3168	3.3	nr Ramsey
GRN014	9	W. Fk. Pond R.	37.157	-87.3598	2.2	nr Mt. Carmel
GRN017	10	Pond Creek	37.3005	-87.0046	1.8	nr Martwick
GRN028	11	Pond River	37.12223	-87.31946	60.5	nr Apex
GRN018	12	Wolf Creek	37.0416	-86.95414	4.2	nr Dunmore
GRN019	13	Muddy Creek	37.1837	-86.7732	5.2	nr Dunbar
GRN020	14	Gasper River	37.0217	-86.6067	12.1	nr Hadley
GRN021	15	Drakes Creek	36.83841	-86.42427	1.2	nr Boyce
GRN022	16	Trammel Creek	36.845	-86.3494	5.5	nr Allen Springs
GRN023	17	Beaver Creek	36.9898	-85.9754	9.7	nr Glasgow
GRN024	18	Skaggs Creek	36.90841	-85.97925	13.2	nr Roseville
GRN025	19	Big Pitman Cr.	37.273	-85.554	3.1	nr Greensburg
GRN026	20	Casey Creek	37.2239	-85.1969	3.8	nr Knifley
GRN030	21	E. Fk. Little Barren R.	36.99512	-85.52848	19.7	nr Mosby Ridge Rd.
GRN011	22	Blackford Cr.	37.899	-86.9865	3.5	nr Maceo
GRN009	23	S. Fk. Panther Creek	37.6794	-87.0907	1.8	nr Sutherland
GRN007	24	Canoe Creek	37.802	-87.6247	3.5	nr Henderson
GRN015	25	Caney Creek	37.5262	-86.6865	1.8	nr Olaton
GRN016	26	Rough River	37.6098	-86.2588	129.9	at Hradin Springs

Table 3.1.2-2. Green – Tradewater River basin management unit primary watershed water quality stations.

<u>Site ID</u>	<u>ID</u>	<u>Stream</u>	<u>Latitude</u>	<u>Longitude</u>	<u>Mile Point</u>	<u>Description</u>
PRI018	1	Green River	37.2687	-85.8853	22.1	at Munfordville
PRI076	2	Green River	37.19954	-85.1146	335.8	at Neatsville
PRI021	3	Nolin River	37.55536	-86.0318	75.9	at White Mills
PRI077	4	Russell Creek	37.1701	-85.4354	12.8	nr Bramlett
PRI078	5	Little Barren R.	37.2264	-85.6776	6.4	nr Monroe
PRI075	6	Bear Creek	37.2488	-86.3612	11.9	nr Huff
PRI072	7	Barren River	37.17069	-86.6205	0.8	nr Woodbury
PRI073	8	Barren River	36.69646	-86.0468	108.7	nr Holland
PRI074	9	Drakes Creek	36.93492	-86.3923	7.6	nr Bowling Green
PRI055	10	Green River	37.45319	-87.10476	74.8	at Livermore
PRI056	11	Mud River	37.12324	-86.9004	17.6	nr Gus
PRI103	12	Green River	37.18242	-86.6103	152	nr Woodbury
PRI014	13	Rough River	37.5472	-86.7214	62.9	nr Dundee
PRI054	14	Rough River	37.49934	-87.0657	7.15	nr Livermore
PRI113	15	Panther Creek	37.72497	-87.3151	2.7	nr West Louisville
PRI012	16	Pond River	37.44179	-87.3529	6.7	nr Sacramento
PRI110	17	Highland Creek	37.75699	-87.7951	13.7	nr Smith Mill
PRI112	18	Tradewater R.	37.39678	-87.845	31.8	nr Piney

3.1.3 Swimming Advisory Monitoring

KDOW has continued to sample areas with long-standing swimming advisories in three basins: 12 sites in the upper Cumberland River basin on five streams, 18 watersheds or sites in the Northern Kentucky area (lower Licking River basin), and nine stations between Chavies to the headwaters on the North Fork Kentucky River basin.

3.1.4 Biomonitoring and Biosurvey Programs

There are four biological monitoring programs within KDOW. These programs have the same primary purpose of assessing the aquatic life use support and biological integrity in relation to reference streams in the Commonwealth and additionally targeting areas of particular interest or concern. Each program is driven by broad objectives, together they provide a comprehensive program that addresses aquatic life use attainment from several approaches: 1) random, overall snapshot of the ambient conditions with a view on trends; 2) the integration of biological conditions in relatively large watersheds that are routinely monitored for long-term

water quality trend evaluation; 3) impact assessments related to nonpoint source pollution and CWA Section 319 grant pollution abatement and restoration success; 4) impact assessments related to point source pollution; and 5) a regional reference program to assess least impacted streams for development and refinement of metric benchmarks used to assess stream ecosystems. Locations of targeted biological monitoring that occurred in the Green – Tradewater basin in addition to other watersheds are shown in Figure 3.1.4-1.

Reference Reach Program. In 1991, KDOW began a Reference Reach (RR) program to gather data from the state’s least impacted streams. Biologists first identified potential least impacted waters representative of Level-III Ecoregions. Then, data on physicochemical water quality, sediment quality, fish tissue residue for contaminants of concern, habitat condition, and biotic conditions were collected to define the potential environmental quality for each stream. This information was used to develop a set of biological population and community level metrics responsive to varying gradients of impact (pollutants). The reference stream data provided the basis for the development of multimetric indices for the various ecoregions and subsequently combined into appropriate bioregions of the Commonwealth. This effort led to a multimetric index refined by regional biological and physicochemical conditions, resulting in four bioregions (Figure 3.1.4-2). Fifty-five stream sites from seven Level-III Ecoregions were initially sampled in the spring and fall of 1992-1993. Since that time, many additional potential reference reach streams were sampled. Some were adopted as reference reach streams; others were rejected because they did not possess adequate quality to represent least impacted condition. Currently, 194 RR stream and segment combinations totaling 1,240.3 miles are identified throughout the Commonwealth (Table 3.1.4-1). Twelve (42.35 miles) candidate exceptional streams, or segments, are proposed for inclusion in 401 KAR 10:030 during the triennial review of 2015 (Table 3.1.4-2). Exceptional waters are those aquatic habitats that support either a fish or macroinvertebrate community that scored “excellent” on the appropriate multimetric index.

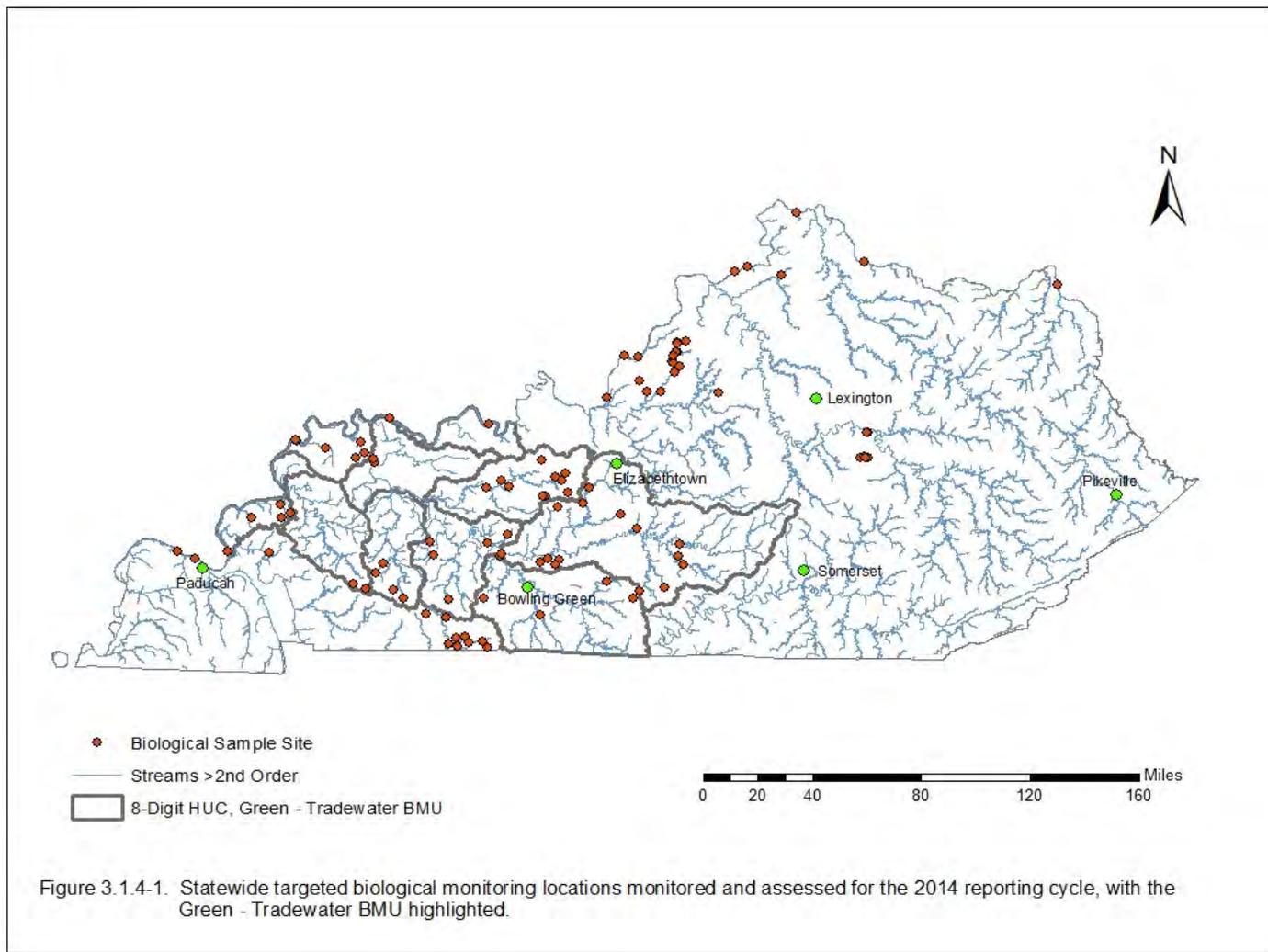


Figure 3.1.4-1. Statewide targeted biological monitoring locations monitored and assessed for the 2014 reporting cycle with the Green0 – Tradewater BMU highlighted.

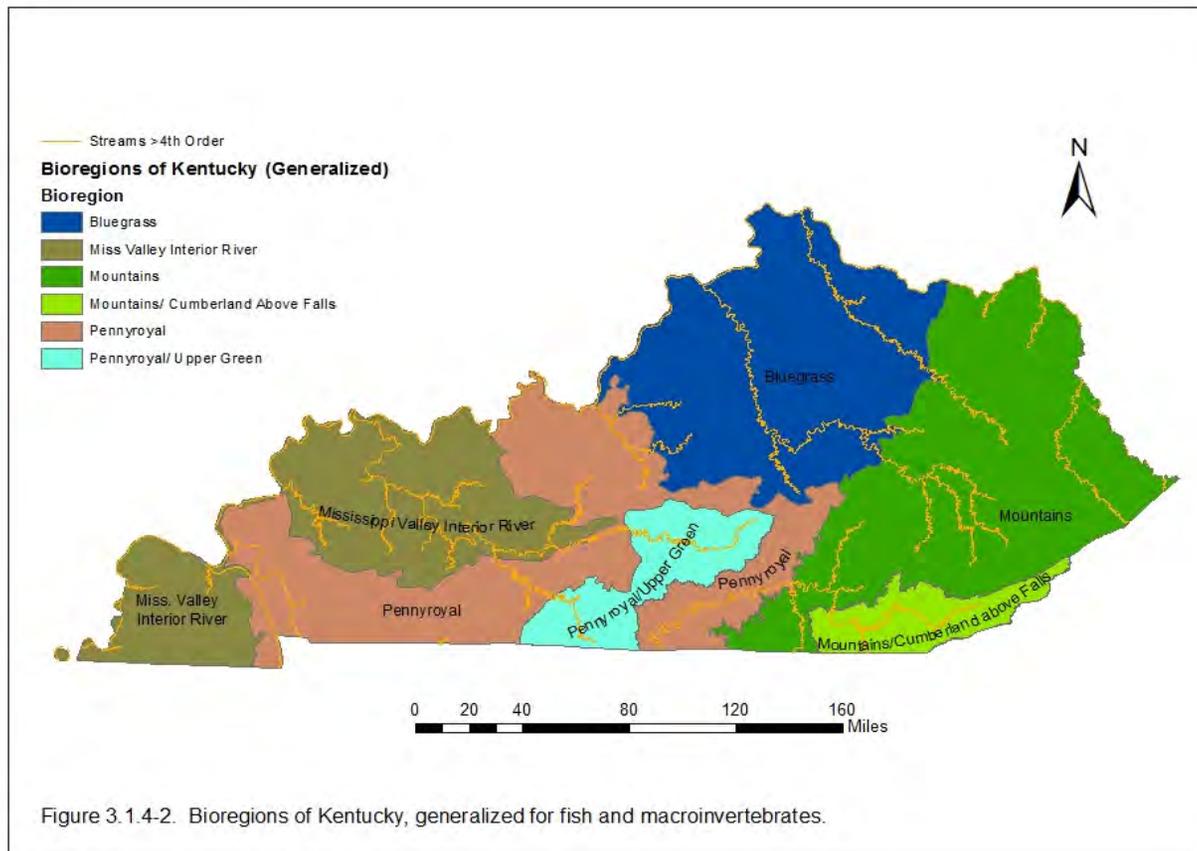


Figure 3.1.4-2. Bioregions of Kentucky, generalized for fish and macroinvertebrates.

Table 3.1.4-1. Reference reach streams in Kentucky with those in bold to emphasize streams in the Green – Tradewater Basin Management Unit.

Stream	County	Location	Basin	Start Segment	End Segment	Total Miles
Hobbs Fork	Martin	Mouth to headwaters	Big Sandy	3.9	0.0	3.9
Hobbs Fork, UT	Martin	Hobbs Fork to headwaters	Big Sandy	0.6	0.0	0.6
Lower Pigeon Branch	Pike	Left Fork to headwaters	Big Sandy	1.9	0.6	1.3
Russell Fork	Pike	Clinch Field RR Yd off SR 80 to Kentucky – Virginia state line	Big Sandy	16.5	15.0	1.5
Toms Branch	Pike	Mouth to headwaters	Big Sandy	1.6	0.0	1.6
Bark Camp Creek	Whitley	Above backwaters to headwaters	Upper Cumberland	0.1	4.0	3.9
Bad Branch	Letcher	Mouth to headwaters	Upper Cumberland	0.0	3.0	3.0
Beaver Creek	McCreary	Above backwaters to Freeman & Middle Forks	Upper Cumberland	2.4	7.1	4.7
Brownies Creek	Bell, Harlan	Blacksnake Branch to headwaters	Upper Cumberland	9.3	16.75	7.45
Brushy Creek	Pulaski	Mouth to headwaters	Upper Cumberland	0.0	16.5	16.5
Buck Creek	Pulaski	Above backwaters to 0.8 mile upstream of confluence of Hurricane Creek	Upper Cumberland	11.7	55.0	43.3
Bunches Creek	Whitley	Mouth to headwaters	Upper Cumberland	0.0	3.3	3.3
Cane Creek	Whitley	Mouth to headwaters	Upper Cumberland	0.0	11.85	11.85
Cogur Fork	McCreary	Mouth to headwaters	Upper Cumberland	0.0	7.95	7.95
Dog Slaughter Creek	Whitley	Near mouth to North and South forks	Upper Cumberland	0.05	1.15	1.1
Eagle Creek	McCreary	Near mouth to headwaters	Upper Cumberland	0.05	6.75	6.7
Fugitt Creek	Harlan	Land use change to headwaters	Upper Cumberland	0.5	4.6	4.1
Horse Lick Creek	Jackson	Mouth to Clover Bottom	Upper Cumberland	0.0	12.3	12.3
Howards Creek	Clinton	Dale Hollow Lake backwaters to headwaters	Upper Cumberland	0.6	4.6	3.8
Indian Creek	McCreary	Laurel Fork to Barren Fork	Upper Cumberland	2.4	6.8	4.4
Jackie Branch	Whitley	Mouth to headwaters	Upper Cumberland	0.0	1.65	1.7
Laurel Fork of Clear Fork	Whitley	Tennessee state line to Tiny Branch/Pine Creek	Upper Cumberland	4.3	13.1	8.8
Laurel Fork of Middle Fork Rockcastle River	Jackson	Mouth to headwaters	Upper Cumberland	0.0	12.3	12.3
Little South Fork Cumberland River	McCreary/ Wayne	Lake Cumberland backwaters to Langham Branch	Upper Cumberland	4.4	35.5	31.1
Marsh Creek	McCreary	Laurel Creek to Kentucky/Tennessee State Line	Upper Cumberland	8.8	26.5	17.7
Mud Camp Creek	Cumberland	Mouth to Collins Branch	Upper Cumberland	0.0	1.2	1.2
Mud Camp Creek	Cumberland, Monroe	UT to headwaters	Upper Cumberland	3.8	8.8	5.0

Table 3.1.4-1 (cont). Reference reach streams in Kentucky with those in bold to emphasize streams in the Green – Tradewater Basin Management Unit.

Stream	County	Location	Basin	Start Segment	End Segment	Total Miles
Poor Fork Cumberland River	Letcher	Franks Creek to headwaters	Upper Cumberland	41.4	51.7	10.3
Presley House Branch	Letcher	Mouth to headwaters	Upper Cumberland	0.0	1.5	1.5
Puncheoncamp Branch	McCreary	Mouth to headwaters	Upper Cumberland	0.0	1.85	1.85
Rock Creek	McCreary	White Oak Creek to Kentucky/Tennessee state line	Upper Cumberland	4.0	21.5	17.5
Shilalah Creek	Bell	Mouth to headwaters	Upper Cumberland	0.0	5.5	5.5
Sinking Creek	Laurel	Mouth to White Oak Creek	Upper Cumberland	0.0	9.9	9.9
South Fork Dog Slaughter Creek	Whitley	Mouth to headwaters	Upper Cumberland	0.0	4.6	4.6
Sulphur Creek	Clinton	Dale Hollow Lake backwaters to headwaters	Upper Cumberland	1.7	5.1	3.4
UT of Rock Creek (at river mile 9.3)	McCreary	Mouth to headwaters	Upper Cumberland	0.0	1.3	1.3
UT of Rock Creek (at river mile 17.5)	McCreary	Mouth to headwaters	Upper Cumberland	0.0	1.2	1.2
Watts Branch	McCreary	Mouth to headwaters	Upper Cumberland	0.0	2.6	2.6
Watts Creek	Harlan	Camp Blanton Reservoir to headwaters	Upper Cumberland	2.4	4.4	2.0
Beaverdam Creek	Edmonson	Mouth to headwaters	Green	0.0	14.5	14.5
Caney Fork	Barren	Source to river mile 0.85	Green	6.6	0.0	6.6
Cane Run	Hart	Nolin River Reservoir backwaters to headwaters	Green	0.8	6.5	5.7
Clifty Creek	Todd	Sulphur Lick to Little Clifty Creek	Green	0.0	13.4	13.4
Clifty Creek	Grayson	Barton Runt to Western KY Pkwy	Green	7.5	17.3	9.8
E. Fork Little Barren River	Metcalfe	Leatherwood Creek to Flat Lick Creek	Green	18.9	20.7	1.8
Elk Lick C	Logan	0.6 mile above SR 106 to Edger Creek and Barren Fork	Green	3.6	11.8	8.2
Ellis Fork of Damron Creek	Adair, Russell	Mouth to headwaters	Green	0.0	3.2	3.2
Falling Timber Creek	Metcalfe	Landuse change to headwaters	Green	10.8	15.2	4.4
Fiddlers Creek	Breckinridge	Mouth to headwaters	Green	0.0	5.9	5.9
Forbes Creek	Christian	Mouth to UT	Green	0.0	4.1	4.1
Gasper River	Logan	Clear Fork to Wiggington Creek	Green	17.2	35.6	18.4
Goose Creek	Casey, Russell	Mouth to Little Goose Creek	Green	0.0	8.5	8.5
Green River, UT	Adair	Land use change to headwaters	Green	3.2	0.8	2.4
Halls Creek	Ohio	UT to headwaters	Green	4.8	9.6	4.8
Lick Creek	Simpson	Mouth to headwaters	Green	0.0	10.2	10.2
Linders Creek	Hardin	Mouth to Sutzer Creek	Green	0.0	7.9	7.9
Little Short Creek	Grayson	Mouth to headwaters	Green	0.0	3.1	3.1
Lynn Camp Creek	Hart	Mouth to Lindy Creek	Green	0.0	8.5	8.5

Table 3.1.4-1 (cont). Reference reach streams in Kentucky with those in bold to emphasize streams in the Green – Tradewater Basin Management Unit.

Stream	County	Location	Basin	Start Segment	End Segment	Total Miles
McFarland Creek	Christian, Hopkins	Grays Branch to UT	Green	1.5	5.0	3.5
Meeting Creek	Hardin	Little Meeting Cr to Petty Br.	Green	5.2	14.0	8.8
Muddy Creek	Ohio	Land use change to headwaters	Green	13.0	15.5	2.5
North Fork Rough River	Breckinridge	Buffalo Creek to reservoir dam	Green	22.1	26.9	4.8
Peter Creek	Barren	Candy Fork to Dry Fork	Green	11.6	18.5	6.9
Pond Run	Breckinridge, Ohio	Lane use change to headwaters	Green	1.4	6.8	5.4
Rough River	Hardin	Linders Creek to Vertrees Cr	Green	138.0	149.4	11.4
Russell Creek	Adair, Green	Mouth to Columbia STP	Green	0.0	40.0	40.0
Russell Creek	Adair, Russell	Reynolds Creek to Mt. Olive, Hudson and Williams Creek	Green	56.9	66.3	9.4
Sixes Creek	Ohio	Wild Branch to headwaters	Green	2.0	7.5	5.5
Sulphur Branch	Edmonson	Mouth to headwaters	Green	0.0	3.0	3.0
Trammel Creek	Allen, Warren	Mouth to Kentucky – Tennessee state line	Green	0.0	30.6	30.6
UT of Green River	Adair	Landuse change to headwaters	Green	1.7	3.2	1.5
W. Fork Pond River	Christian	UT to East Branch Pond River	Green	12.45	22.5	10.05
UT of White Oak Creek	Adair	SR 76 to Hovious Road Crossing	Green	0.0	2.4	2.4
Backbone Creek	Henry, Shelby	Mouth to Scrabble Creek	Kentucky	0.0	1.65	1.65
Big Double Creek	Clay	Mouth to confluence of Left & Right Forks	Kentucky	0.0	4.4	4.4
Bill Branch	Leslie, Harlan	Mouth to R. & L. Fork of Bill Branch	Kentucky	0.0	0.3	0.3
Buffalo Creek	Owsley	Side road along mainstem	Kentucky	0.0	1.6	1.6
Cavanaugh Creek	Jackson	Mouth to headwaters	Kentucky	0.0	8.3	8.3
Chester Creek	Wolfe	Mouth to Headwaters	Kentucky	0.0	2.8	2.8
Clear Creek	Woodford	Hifner Rd bridge, 2.1 mi S of Mortonsville	Kentucky	0.0	9.0	9.0
Clemmons Fork	Breathitt	Mouth to headwaters	Kentucky	0.0	4.8	4.8
Coles Fork	Breathitt	in Robinson Forest	Kentucky	0.0	6.2	6.2
Craig Creek	Leslie	Mouth to UT	Kentucky	0.0	2.7	2.7
Drennon Creek	Henry	Flat Bottom Rd crossing	Kentucky	8.7	12.2	3.5
East Fork Indian Creek	Menifee	Mouth to headwaters	Kentucky	0.0	9.0	9.0
Elisha Creek	Leslie	Elisha Creek Road	Kentucky	0.95	3.3	2.35
Evans Fork	Estill	Mouth to headwaters	Kentucky	0.0	3.0	3.0
Falling Rock Branch	Breathitt	Mouth to headwaters	Kentucky	0.0	0.7	0.7
Gladie Creek	Menifee	0.2 mi upstream of bridge	Kentucky	0.0	8.4	8.4
Griers Creek	Woodford	KY River backwaters to UT	Kentucky	0.1	3.5	3.4

Table 3.1.4-1 (cont). Reference reach streams in Kentucky with those in bold to emphasize streams in the Green – Tradewater Basin Management Unit.

Stream	County	Location	Basin	Start Segment	End Segment	Total Miles
Grindstone Creek	Franklin	KY River backwaters to headwaters	Kentucky	0.1	2.1	2.0
Hines Creek	Madison	KY River backwaters to UT	Kentucky	0.1	1.9	1.8
Hopper Cave Branch	Jackson	Mouth to headwaters	Kentucky	0.0	1.8	1.8
Indian Creek	Carroll	Mouth to headwaters	Kentucky	0.0	5.4	5.4
Indian Fork	Shelby	Mouth to headwaters	Kentucky	0.0	3.3	3.3
Laurel Fork	Owsley	Mouth to Big Branch	Kentucky	0.0	3.75	3.75
Left Fork Big Double Creek	Clay	Mouth to headwaters	Kentucky	0.0	1.5	1.5
Line Fork	Letcher	Defeated Creek to headwaters	Kentucky	12.2	28.6	6.4
Little Middle Fork Elisha Creek	Leslie	Mouth to headwaters	Kentucky	0.0	0.75	0.75
Little Millseat Branch	Breathitt	Mouth to headwaters	Kentucky	0.0	1.2	1.2
Little Sixmile Creek	Henry	Mouth to headwaters	Kentucky	0.0	5.3	5.3
Middle Fork Kentucky River	Leslie	Hurts Creek to Greasy Creek	Kentucky	75.2	85.5	10.3
Mill Creek	Owen	Near mouth to headwaters	Kentucky	0.05	8.3	8.25
Millseat Branch	Breathitt	Mouth to headwaters	Kentucky	0.0	1.85	1.85
Muddy Creek	Madison	Elliston, KY to Viney Creek	Kentucky	13.8	20.65	6.85
Musselman Creek	Grant	Mouth to headwaters	Kentucky	0.0	9.0	9.0
Right Fork Buffalo Creek	Owsley	Mouth to headwaters	Kentucky	0.0	11.75	11.75
Roaring Fork	Breathitt	Mouth to headwaters	Kentucky	0.0	0.9	0.9
Rock Lick Creek	Jackson	Mouth to headwaters	Kentucky	0.0	9.6	9.6
Sand Ripple Creek	Franklin, Henry	KY River backwaters to headwaters	Kentucky	0.1	3.9	3.9
Severn Creek	Owen	KY River backwaters to North Fork Severn Creek	Kentucky	1.35	3.0	1.65
Shelly Rock Fork	Breathitt	Mouth to headwaters	Kentucky	0.0	0.6	0.6
Sixmile Creek	Henry, Shelby	Little Sixmile Creek to dam	Kentucky	7.1	15.3	8.2
South Fork Station Camp Creek	Jackson	Mouth to Rock Lick Creek	Kentucky	0.0	9.7	9.7
Spruce Branch	Clay	Mouth to Rock Lick Creek	Kentucky	0.0	1.0	1.0
Station Camp Creek	Estill	Off KY Hwy 1209 at Estill-Jackson County boundary	Kentucky	3.3	22.7	19.4
Steer Fork	Jackson	Mouth to headwaters	Kentucky	0.0	2.7	2.7
Sturgeon Creek	Lee, Owsley	Duck Fork to Little Sturgeon Cr	Kentucky	1.3	13.7	12.4
Sugar Creek	Leslie	Land use change to headwaters	Kentucky	0.6	5.4	4.8
Sulphur Creek	Franklin	Mouth to headwaters	Kentucky	0.0	5.2	5.2
UT of Cawood Branch	Leslie	Mouth to headwaters	Kentucky	0.0	2.1	2.1
UT of Cedar Creek	Owen	Mouth to headwaters	Kentucky	0.0	1.4	1.4
UT of Glenss Creek	Woodford	Mouth to headwaters	Kentucky	0.0	1.9	1.9
UT of Jacks Creek	Madison	Mouth to headwaters	Kentucky	0.0	1.15	1.15
UT of Kentucky River	Franklin	Land use change to headwaters	Kentucky	0.1	1.4	1.3
UT of Line Fork	Letcher	Mouth to headwaters	Kentucky	0.0	0.6	0.6
Wolfpen Creek	Menifee	Mouth to headwaters	Kentucky	0.0	3.6	3.6

Table 3.1.4-1 (cont). Reference reach streams in Kentucky with those in bold to emphasize streams in the Green – Tradewater Basin Management Unit.

Stream	County	Location	Basin	Start Segment	End Segment	Total Miles
Blackwater Creek	Morgan	Eaton Creek to Greasy Creek	Licking	3.8	11.7	7.9
Botts Fork	Menifee	Mouth to landuse change	Licking	0.0	2.1	2.1
Brushy Fork	Menifee	Reservoir backwaters to headwaters	Licking	0.7	5.6	4.9
Brushy Fork	Pendleton	Mouth to headwaters	Licking	0.0	5.8	5.8
Bucket Branch	Morgan	Leisure – Paragon Rd bridge	Licking	0.0	1.9	1.9
Craney Creek	Rowan	Mouth to headwaters	Licking	0.0	11.2	11.2
Devils Fork	Morgan	Mouth to headwaters	Licking	0.0	8.5	8.5
Grovers Creek	Pendleton	Kincaid L. backwaters to UT	Licking	0.5	3.4	2.9
North Fork Licking River	Morgan	Cave Run L. backwaters to Devils Fk	Licking	8.4	13.4	5.0
South Fork Grassy Creek	Pendleton	Mouth to Greasy Creek	Licking	0.0	19.8	19.8
West Creek	Harrison	Mouth to headwaters	Licking	0.0	9.8	9.8
Big Sinking Creek	Carter	KY 986 bridge	Little Sandy	15.9	11.0	4.9
Arabs Fork	Elliott	KY 1620 bridge	Little Sandy	4.7	0.0	4.7
Big Caney Creek	Elliott	Grayson L. backwaters to headwaters	Little Sandy	15.3	1.8	13.5
Big Sinking Creek	Carter, Elliott	SR 986 to Clay and Arab forks	Little Sandy	15.2	10.7	4.5
Laurel Creek	Elliott	Carter School Rd Bridge	Little Sandy	14.7	7.6	7.1
Meadow Branch	Elliott	Mouth to headwaters	Little Sandy	1.4	0.0	1.4
Middle Fork Little Sandy R.	Elliott	Mouth to Sheepskin Branch	Little Sandy	3.4	0.0	3.4
Nichols Creek	Elliott	Green Branch to headwaters	Little Sandy	2.0	0.0	2.0
Jackson Creek	Graves	Mouth to headwaters	Mississippi	0.0	3.0	3.0
Obion Creek	Hickman	Hurricane Creek to Little Creek	Mississippi	26.35	36.55	10.2
Terrapin Creek	Graves	KY – TN Stateline to E & W Fks	Mississippi	2.7	6.0	3.3
Crooked Creek	Crittenden	Rush Creek to City Lake Dam	Ohio	17.9	26.2	8.3
Double Lick Creek	Boone	Mouth to headwaters	Ohio	0.0	3.5	3.5
Garrison Creek	Boone	Mouth to headwaters	Ohio	0.0	4.7	4.7
Kinniconick Creek	Lewis	McDowell Creek to headwaters	Ohio	5.05	50.9	45.85
Middle Fork Massac Creek	McCracken	Hines Road to pond	Ohio	3.1	6.4	3.3
Second Creek	Boone	Backwaters to headwaters	Ohio	0.2	2.7	2.5
UT of Big Sugar Creek	Gallatin	I-71 to headwaters	Ohio	1.0	3.4	2.4
UT of Corn Creek	Trimble	Mouth to headwaters	Ohio	0.0	2.3	2.3
UT of Massac Creek	McCracken	Mouth to headwaters	Ohio	0.0	1.7	1.7
W. Fork Massac Creek	McCracken	SR 724 to Little Massac Creek	Ohio	3.6	6.2	2.6
Yellowbank Creek	Breckinridge	Ohio River backwaters to headwaters	Ohio	1.8	11.8	10.0
Blood River	Calloway	Grubbs Lane bridge; 0.75 mi E of State Line Rd	Tennessee	15.15	18.7	3.55
Grindstone Creek	Calloway	Kentucky Lake backwaters to headwaters	Tennessee	0.7	2.9	2.2
Soldier Creek	Marshall	HWY 58 bridge	Tennessee	5.3	2.6	2.7
Panther Creek	Calloway	KY Lake back- to headwaters	Tennessee	0.5	5.7	5.2

Table 3.1.4-1 (cont). Reference reach streams in Kentucky with those in bold to emphasize streams in the Green – Tradewater Basin Management Unit.

Stream	County	Location	Basin	Start Segment	End Segment	Total Miles
Soldier Creek	Marshall	Mouth to South Fork Soldier Cr.	Tennessee	0.0	5.7	5.7
Sugar Creek	Calloway	KY Lake backwaters to Soldier Creek	Tennessee	2.5	3.2	0.7
Sugar Creek	Graves	Mouth to unnamed reservoir	Tennessee	0.0	3.9	3.9
Trace Creek	Graves	Mouth to Neely Branch	Tennessee	0.0	3.0	3.0
UT of Panther Creek	Graves	Mouth to headwaters	Tennessee	0.0	2.0	2.0
W. Fork Clarks River	Graves	Soldier Creek to Duncan Creek	Tennessee	20.1	23.5	3.4
Wildcat Creek	Calloway	Ralph Wright Road crossing to headwaters	Tennessee	3.6	6.8	3.2
East Fork Flynn Fork	Caldwell	Land use change to headwaters	Tradewater	2.15	4.6	2.45
Piney Creek	Caldwell	L. Beshear backwaters to headwaters	Tradewater	4.5	10.2	5.7
Tradewater River	Christian, Hopkins	Dripping Springs Br to Buntin Lake dam	Tradewater	131.1	123.2	7.9
Sandlick Creek	Christian	Camp Creek to headwaters	Tradewater	4.5	8.6	4.1
Tradewater River	Christian	Dripping Springs to Buntin Lake	Tradewater	125.8	133.9	8.1
UT of Piney Creek	Caldwell	Mouth to headwaters	Tradewater	0.0	2.9	2.9
UT of Sandlick Creek	Christian	Mouth to headwaters	Tradewater	0.0	1.4	1.4
Cedar Creek	Bullitt	Mouth to Greens Branch	Salt	0.0	5.2	5.2
Chaplin River	Washington	Thompson Creek to Cornishville	Salt	40.9	54.2	13.3
Harts Run	Bullitt	Mouth to headwaters	Salt	0.0	2.3	2.3
Lick Creek	Washington	Mouth to 0.1 mile below dam	Salt	0.0	4.1	4.1
Otter Creek	Larue	Landuse change to East and Middle Forks Otter Creek	Salt	1.7	2.9	1.2
Overalls Creek	Bullitt	Mouth to headwaters	Salt	0.0	3.2	3.2
Salt Lick Creek	Marion	Mouth to headwaters	Salt	0.0	8.6	8.6
Sulphur Creek	Anderson	Mouth to Cheese Lick and Brush Cr	Salt	0.0	10.0	10.0
West Fork Otter Creek	Larue	Mouth to headwaters	Salt	0.0	5.4	5.4
Wilson Creek	Bullitt, Nelson	Mouth to headwaters	Salt	0.0	18.4	18.4
Crooked Creek	Trigg	Energy Lake backwaters to headwaters	Lower Cumberland	3.0	9.1	6.1
Donaldson Creek	Trigg	Lake Barkley backwaters to UT	Lower Cumberland	4.0	7.2	3.2
Elk Fork	Todd	Kentucky – Kentucky stateline to Dry Branch	Lower Cumberland	7.5	23.1	15.6
Sugar Creek	Livingston	Lick Creek to UT	Lower Cumberland	2.2	6.9	4.7
West Fork Red River	Christian	Carter Rd bridge	Lower Cumberland	14.7	32.2	17.5
Whippoorwill Creek	Logan	Mouth to Vicks Branch	Lower Cumberland	0.0	13.2	13.2

Table 3.1.4-2. Candidate exceptional streams and segments as defined in 401 KAR 10:030.

<u>Basin</u>	<u>Stream</u>	<u>Segment Description</u>	<u>Segment Mile Points</u>	<u>Total Miles</u>	<u>Lat-Long (downstream)</u>	<u>Lat-Long (upstream)</u>	<u>County</u>	<u>Reference^a or Exceptional^b</u>
<u>Big Sandy</u>	Thompson Fork	Mouth to Headwaters	0.0-1.0	1.0	37.68467 -82.66785	37.67509 -82.67561	Floyd	Exceptional
	UT of Open Fork Paint Creek	Mouth to Headwaters	0.0-0.8	0.8	37.97376 -83.05616	37.98494 -83.0521	Morgan	Exceptional
<u>Kentucky</u>	Bullskin Creek	Mouth to Headwaters	0.0-14.6	14.6	37.27327 -83.64432	37.19870 -83.48494	Clay	Exceptional
	Joyce Fork	Mouth to Headwaters	0.0-1.2	1.2	37.35043 -83.55770	37.35948 -83.54521	Owsley	Exceptional
	Little Sturgeon Creek	Mouth to Warren Chapel Branch	0.0-3.0	3.0	37.47850 -83.81356	37.44893 -83.78880	Owsley	Exceptional
	Low Gap Branch	Mouth to Headwaters	0.0-0.8	0.8	37.15323 -82.98323	37.15809 -82.9929	Letcher	Exceptional
	Lower Devil Creek	Mouth to Middle Fork Lower Devil Creek	0.0-4.65	4.65	37.64425 -83.60963	37.68870 -83.60403	Lee	Exceptional
<u>Cumberland</u>	Clear Creek	Scaffold Cane Branch to Davis Branch	3.45-7.8	4.45	37.44225 -84.27864	37.48548 -84.25547	Rockcastle	Exceptional
	Kettle Creek	Kentucky/Tennessee State Line	1.75-6.1	4.35	36.6153 -85.4912	36.651 -85.44512	Monroe	Exceptional
	Little White Oak Creek	Mouth to Headwaters	0.0-2.6	2.6	37.10211 -84.19981	37.12675 -84.18402	Laurel	Exceptional
	UT of Cane Creek of Rockcastle River	Mouth to Headwaters	0.0-1.2	1.2	37.05159 -84.19762	37.06649 -84.18907	Laurel	Exceptional
<u>Ohio</u>	Ashbys Fork	Mouth to Petersburg Road (SR 20)	0.0-3.7	3.7	39.03846 -84.81574	39.07717 -84.79557	Boone	Exceptional

^aReference Reach streams and segments have the greatest biological integrity and intact habitat of those streams in a given bioregion.

^bExceptional streams and segments must score "excellent" on the MBI or KIBI based on 50th %tile for Mountain, Bluegrass and Pennyroyal and 75th %tile for the Mississippi Valley-Interior River Lowlands bioregions. *Streams that are already Exceptional in 401 KAR 10:030 but are proposed for a segment change based on new data, or to conform to NHD mile points.

Nonpoint Source Program (NPSP). The Kentucky Nonpoint Source Pollution Control Program's goal is to protect the quality of Kentucky's surface and groundwater from NPS (nonpoint source) pollutants, abate NPS threats and restore degraded waters to the extent that water quality standards are met and beneficial uses are supported. The NPSP is achieving this through federal, state, local and private partnerships which promote complimentary, regulatory and non-regulatory nonpoint source pollution control initiatives at both statewide and watershed levels.

Pollutants from nonpoint sources are sometimes referred to as runoff or diffuse pollution. Unlike pollutants from industrial and sewage treatment plants, NPS pollutants are caused by rainfall or snowmelt moving over and through the ground. As the runoff moves, it picks up and carries away natural and human-produced pollutants, finally depositing them into lakes, rivers, wetlands, coastal waters and even underground sources of drinking water. These pollutants include:

- Excess fertilizers, herbicides and insecticides from agricultural lands and residential areas;
- Oil, grease and toxic chemicals from urban runoff and energy production;
- Sediment from improperly managed construction sites, crop and silviculture lands and eroding streambanks;
- Acid mine drainage; and
- Bacteria and nutrients from livestock, pet wastes and faulty septic systems.

Atmospheric deposition and hydromodification are also sources of NPS pollution. NPS pollution is the primary contributor to water pollution in Kentucky. Monitoring of streams impacted by NPS pollutants follows KDOW standard protocol; each biosurvey conducted at these stations typically included two biological communities, macroinvertebrates and fishes, to determine the condition of wadeable streams. Also collected are nutrient samples (unionized ammonia, nitrite-nitrate, total phosphorus, and total Kjeldahl-nitrogen) in addition to bulk water quality variables (total suspended solids, chlorides, sulfates, alkalinity, hardness and total organic carbon). In situ measurements are also made at time of water quality sample collection; a multiparameter probe is used to measure pH, temperature, DO, percent DO saturation and specific conductance.

Probabilistic Biosurvey Program (PBP). KDOW conducts random biosurveys of streams across the Commonwealth. Each year the probabilistic biosurvey program

coordinator selects the 8-digit HUCs to be monitored in a particular BMU. The target population is all wadeable streams 1st through 5th order within the HUCs of each BMU. Then a request is sent to EPA's National Health and Environmental Research Laboratory, Office of Research and Development, Corvallis, Oregon, where the EMAP (Environmental Monitoring and Assessment Program) Design Group uses National Rivers Stream Assessment sample frame for Kentucky as a sampling frame. A frequency table is established for the population candidate streams (based on stream order) across the HUCs. Based on those frequencies, a random, weighted (by stream order) survey design is utilized to determine the sample stream population and locations of the sample point for the study. A sample size of 50 sites with approximately an equivalent number (based on frequency) in each of the five stream order categories: 1st, 2nd, 3rd, 4th and 5th were selected. An oversample of 200% (100 sites) for a total of 150 sites, including the base sites are derived per study. This oversample provides reserve samples for alternative sites when those initial sites do not conform to target population parameters (e.g. non-wadeable, miss-mapped features), are inaccessible due to safety concerns, or to which access is denied by landowners. Standard protocol dictates that surrogate stream sample sites be selected sequentially from the oversample population when replacement of an initial sample site is necessary. Since the random design is weighted, no regard to replacement of an initial sample site with one of equivalent Strahler order is required.

A biosurvey of the macroinvertebrate community (and where appropriate fish community) was conducted to determine the condition of wadeable streams; additionally, the probabilistic program collected nutrient samples (unionized ammonia, nitrite-nitrate, total phosphorus, and total Kjeldahl-nitrogen) in addition to bulk water quality variables (total suspended solids, chlorides, sulfates, alkalinity, hardness and total organic carbon). In situ measurements were also made at time of water quality sample collection; a Hydrolab[®] or YSI multiparameter probe was used to measure pH, temperature, DO, percent DO saturation and specific conductance.

This reporting cycle there were 44 sites sampled. Each particular stream sampled is provided in Table 3.1.4-3.

Table 3.1.4-3. Key to stream names sampled and assessed in the Green – Tradewater basin management unit using probabilistic methodology.

1. Bear Creek	23. Tradewater River
2. Barren Run	24. Weirs Creek, ^a UT
3. Otter Creek	25. Trace Branch
4. Trammel Creek	26. Casey Creek
5. Valley Creek	27. Claylick Branch
6. Richland Slough	28. Gasper River
7. East Fork Goose Creek	29. North Fork Panther Creek
8. Big Pitman Creek	30. West Bays Fork
9. Welch Creek	31. No Creek
10. Caney Fork, ^a UT	32. East Fork Little Barren River
11. Rocky Creek	33. Big Reedy Creek
12. Buck Fork Pond River	34. Blackford Creek
13. Russell Creek	35. Rose Creek
14. Blackford Creek	36. Donaldson Creek
15. Cypress Creek	37. Dry Fork
16. Tradewater River	38. Piney Creek
17. Craborchard Creek	39. Flynn Fork
18. Tribune Creek	40. Highland Creek
19. East Fork Flynn Fork, ^a UT	41. Montgomery Creek
20. Bayou Creek	42. Donaldson Creek
21. pogue Creek, ^a UT of ^a UT	43. Crooked Creek
22. Crooked Creek	44. Black Creek, ^a UT

^aUT= Unnamed tributary

3.1.5 Lake and Reservoir Monitoring

Lakes and reservoirs are monitored over the growing season (April through October) for designated use support determination and trophic state using the Carlson Trophic State Index (TSI) for chlorophyll *a*. This method of determining trophic state of lakes is convenient as it allows for the numerical ranking of lakes according to increasing trophic state (oligotrophic, mesotrophic, eutrophic, and hyper-eutrophic). The growing season average TSI value is used to determine the trophic state of each lake.

Water quality and physical measurements were made in spring, summer and fall, typically with an interval of six to eight weeks to allow sufficient time for seasonal changes to occur. Publicly accessible lakes and reservoirs are the population of these resources monitored in Kentucky. Water quality variables, including nutrients (unionized ammonia, nitrite-nitrate, total phosphorus, TKN, total soluble phosphorus, soluble reactive orthophosphate and total organic carbon), chlorophyll *a*, standard variables (total suspended solids, chlorides, sulfates, alkalinity and hardness) and water column water quality (DO, pH, temperature and specific conductance) was profiled at each station per lake. The majority of these waters were small, usually several hundred acres or less in surface area; therefore, one sample station in the forebay (or center of lake if a natural water body) was sufficient to characterize the status of the majority of lakes and reservoirs.

In 2013 harmful algal blooms (HABs) were confirmed in Kentucky by the USACE in several reservoirs they manage. This prompted a collaborative effort between the USACE and the KDOW. Monitoring strategies and protocols for the KDOW are still under development and review, given this program is relatively new. HABs can cause taste and odor problems in drinking water, consume excess dissolved oxygen that may result in stress or death in fish populations and produce toxins that affect human health. Through agency monitoring efforts, water bodies with HABs are sampled and counts of blue-green algal cells are made. The World Health Organization established guideline for recreational waters on the moderate probability of adverse health effects relative to blue-green cell densities that exceed 100,000 cells/mL. Examples of some of those effects include, coughing, sneezing, watery eyes, skin irritation and gastrointestinal illness. Where blue-green cell

counts exceed 100,000 cells/mL, the KDOW issues a HAB advisory. Water bodies with HAB advisories are made public by posting those locations on the agency's webpage (<http://water.ky.gov/waterquality/pages/HABS.aspx>). This is a new monitoring activity, strategy and protocol are still in the developmental stage. Additional information related to the KDOW's monitoring activities, various advisory thresholds used by other states, specific produced toxins and efforts underway by the USEPA to begin efforts to address the need for thresholds to safeguard drinking water.

The publically accessible reservoirs in the Green – Tradewater BMU monitored by the KDOW are listed in Table 3.1.5-1. Only those reservoirs in bold type were monitored during the 2011 – 2012 cycle. The newly acquired data were used to make updated assessments and associated water quality information on those 14 monitored reservoirs. Assessment results from previous reporting cycles were carried forward in the 2014 IR for those not monitored in the 2011 – 2012 water year.

3.2 Format of Assessment Results Following Integrated Reporting Guidance

Since the 2012 Integrated Report, the agency has developed a comprehensive standalone document that explains all the elements that are necessarily considered when making designated use assessment decisions in preparation of the Integrated Report. The following overview of the reporting elements is provided to assist the reader to more efficiently use the report when information pertaining to water bodies of interest is needed.

The designated uses provided in water quality standards are as follows:

- Warm water and cold water aquatic habitat (WAH or CAH), often referred collectively as "aquatic life use;"
- Outstanding state resource water (OSRW);
- Primary contact recreation (PCR);
- Secondary contact recreation (SCR);
- Domestic water supply (DWS); and
- Fish consumption (FC).

Table 3.1.5-1. Lakes and reservoirs in the Green – Tradewater Basin Management Unit. Water bodies with new (2011 – 2012 water-year) assessment data for this reporting cycle are in bold type.

Lake or Reservoir	Size (Acres)	Basin	County	Latitude (dd)	Longitude (dd)
Barren River Lake	10,000	Green River	Barren	36.89233	-86.12259
Briggs Lake	19	Green	Logan	36.88812	-86.83244
Campbellsville City Reservoir	63	Green	Taylor	37.35754	-85.34135
Caneyville City Reservoir	75	Green	Grayson		
County Lake	22	Green	Metcalfe	37.04329	-85.60969
Freeman Lake	162	Green	Hardin	37.71536	-85.86917
Grapevine Lake	50	Green	Hopkins	37.30552	-87.47699
Green River Reservoir	8210	Green	Taylor	37.25074	-85.33757
Lake Liberty	79	Green	Casey	37.32263	-84.89537
Lake Malone	814	Green	Muhlenberg	37.0808	-87.0333
Lake Washburn	25	Green	Ohio	37.51812	-86.84842
Lewisburg Lake	51	Green	Logan		
Luzerne Lake	55	Green	Muhlenberg		
Mill Creek Lake	95	Green	Monroe	36.68234	-85.70079
Nolin River Reservoir	5790	Green	Edmonson	37.27914	-86.24699
Nortonville Lake	27	Green	Hopkins	37.18085	-87.46592
Rough River Reservoir	5100	Green	Grayson	37.61833	-86.49972
Salem Lake	99	Green	Larue	37.59128	-85.71097
Shanty Hollow Lake	135	Green	Warren	37.1552	-86.38987
Spa Lake	200	Green	Logan	36.94924	-87.02966
Spurlington Lake	33	Green	Taylor	37.38497	-85.25506
West Fork Drakes Creek Reservoir	67	Green	Simpson	36.72222	-86.5525
Lake Beshear	819	Tradewater	Caldwell	37.14776	-87.68234
Lake Peewee	360	Tradewater	Hopkins	37.34443	-87.5249
Loch Mary	135	Tradewater	Hopkins	37.27343	-87.52087
Moffit Lake	49	Tradewater	Union	37.57852	-87.85481
Pennyrile Lake	48	Tradewater	Christian	37.0729	87.66491
Providence City Reservoir	36	Tradewater	Webster	37.37583	-87.79639
Carpenter Lake	69	Ohio	Daviess	37.8456	-86.9814
City Lake	36	Ohio	Crittenden	37.30206	-88.09032
Kingfisher Lake	21	Ohio	Daviess	37.8447	-86.9769
Cap Mauzy Lake	84	Ohio	Union	37.62245	-87.85535

Each of the designated uses and their application to the waters of the Commonwealth are found in water quality standards, 401 KAR 10:026 (<http://www.lrc.state.ky.us/kar/401/010/026.htm>). One will not find FC listed as a

designated use in the agency's water quality standards; however, it is an implied use given that implementing criteria for protection of human health based on consumption of fish are found in 401 KAR 10:031 Sections 2 and 6 (<http://www.lrc.state.ky.us/kar/401/010/031.htm>).

Appendix A contains all designated use assessment results as reported via the national categories defined by the USEPA; there are additional state defined categories used by KDOW (Table 3.2-1).

Table 3.2-1. Assessment and listing categories of water bodies, segments and applicable designated uses of the Integrated Report.

Category	Definition	Uses (circle all that apply)
1	All designated uses for water body Fully Supporting.	20WAH 20CAH 21 42 44 50 316OSRW
2	Assessed designated use(s) is/are Fully Supporting, but not all designated uses assessed.	20WAH 20CAH 21 42 44 50 316OSRW
2B	Segment currently supporting use(s), but 303(d) listed & proposed to EPA for delisting.	20WAH 20CAH 21 42 44 50 316OSRW
2C	Segment with an EPA approved or established TMDL for the following use(s) now attaining Full Support. TMDL approval # _____.	20WAH 20CAH 21 42 44 50 316OSRW
3	Designated use(s) has/have not been assessed (insufficient or no data).	20WAH 20CAH 21 42 44 50 316OSRW
4A	Segment with an EPA approved or established TMDL for the following listed use(s) not attaining Full Support. TMDL appr. # _____	20WAH 20CAH 21 42 44 50 316OSRW
4B	Nonsupport segment with an approved alternative pollution control plan (e.g., BMP) stringent enough to meet full support level of all uses within a specified time.	20WAH 20CAH 21 42 44 50 316OSRW
4C	Segment is not meeting Full Support of assessed use(s), but this is not attributable to a pollutant or combination of pollutants.	20WAH 20CAH 21 42 44 50 316OSRW
5	TMDL is required.	20WAH 20CAH 21 42 44 50 316OSRW
5B	Segment does not support designated uses based on evaluated data, but based on KY listing methodology, insufficient data are available to make a listing determination. No TMDL needed	20WAH 20CAH 21 42 44 50 316OSRW

The state created categories are 2B, 2C and 5B. Those state categories were created to provide increased accounting of water bodies, segments and designated uses as they evolve through the TMDL process or new data support a change or modification to a listed designated use.

The principle components presented in Appendix A are: 1) water body; 2) applicable portion or segment in miles or acres; 3) the major river basin; 4) county; 5) applicable designated uses; and 6) the assessment category of each of those designated uses as shown in Table 3.2-1. A more comprehensive table of each assessment result is provided electronically on the KDOW's homepage (<http://water.ky.gov/Pages/default.aspx>) by clicking on the link *Integrated Reports: 305(b)*. The pollutants, pollutions and suspected sources are presented by numerical code and those may be interpreted by information provided on the same webpage.

3.3 Use Assessment Results

Herein are the assessment results for the 2014 IR. Though most of the new assessment results and information presented are in the Green – Tradewater BMU, there are many water bodies assessed outside of that particular BMU. Thus, this report represents a statewide update. A comprehensive list of all aquatic resources assessed in the state is provided in Appendix A. Some information was omitted in that table out of necessity so the essential elements could be formatted to fit the page. An electronic file containing the full version of the table is provided for download at the KDOW's Integrated Report webpage (<http://water.ky.gov/waterquality/Pages/IntegratedReport.aspx>). Because printed maps of assessed water bodies cannot be reproduced to a scale that is both useful and have all the information required to present up to seven designated uses assessed for any given water body, this resource is maintained only in electronic files. Those files can be downloaded from the same webpage as the IR, and on the Kentucky Watershed Viewer (<http://eppcgis.ky.gov/flexviewers/watershed/>). Volume II of this IR contains all water bodies and segments that require a pollutant TMDL for one or more designated uses.

Stream and river results are reported first, both in the context of statewide results and on a BMU and basin scale. It is important to bear in mind that the Commonwealth has over 90,000 miles of streams and rivers, as such there are many miles of these aquatic resources that have no water quality data associated with them. While one goal is to monitor all waters in the Commonwealth, the

reality is the resource is great, but human resources will always be a limiting factor in reaching all water bodies. With that in mind, the KDOW launched the probabilistic biomonitoring program in 1998. This statistically designed monitoring program provides an unbiased method to determine the relative condition, or health, of the target population, headwater and wadeable streams. While in-stream data are collected at the target streams (about 50 monitored locations) only, the data gleaned from this study then translates to a representative characterization of the water quality of all streams that are represented by the study design. Every study design has its goals and limitations. The strength of this probabilistic designed study is it provides a snapshot of the condition of the resource in an area at a point in time. Each different design will have its strengths and weaknesses and recognition of the main goal for a statistical study should be defined upfront. An example of a design that has strength for detecting trends in changes to variables, for example pollutants, is the ambient stream network. This network was designed to particular watershed scales, collected at the same locations and on a frequent basis, at least bimonthly. The probabilistic monitoring approach is also conducted on a national scale, coordinated by the USEPA. Those results provide a 5-year interval snapshot on the condition of the nation's flowing (1st – 5th Strahler order streams) waterways.

Within the stream and river presentation, all other monitoring design strategies are presented. These all fall into the category of targeted monitoring. A subset of the reference reach network is monitored to stay abreast of conditions in those watersheds of least disturbance, and to collect a range of chemical data to investigate how those variables respond seasonally and over time relative to ambient conditions. Special studies related to the development of numeric nutrient criteria continue in certain regions of the Commonwealth. The area near and around Lexington within the Bluegrass Region (ecoregions 71d, 71k and 71l) have a geology of native rock high in phosphorus and the land use is characterized by a high proportion of extensive agriculture and urbanization. That sets the stage for a mosaic of some natural conditions, but primarily a mosaic of anthropogenic-modified aquatic habitats. These aquatic habitats and communities are characteristic of highly modified landscapes; any measured biological responses to

nutrient gradients are subtle or masked by multiple factors. Considerable targeted monitoring relative to TMDL development was conducted and included in the BMU and statewide statistics. The intensive programmatic watershed-scale monitoring is conducted in those areas with known impairments. In order to scope all contributing sources of pollutants, entire watersheds in an area must be monitored. This type of monitoring often skews the amount of non-supporting water bodies in an IR. This can give the impression that perhaps the aquatic resources, or water quality, is worse than it actually is due in part to efforts called for under the CWA to clean-up and restore non-supporting water bodies.

Nonpoint source related monitoring is an important component of the CWA Section 319 program. Watersheds with primarily non-point sources of pollutants may be targeted for implementation of BMPs to help abate runoff pollutants and restore water quality. From a monitoring standpoint, this program has similarities to monitoring strategies that are part of TMDL development. Given these are watersheds with known pollutant concerns and associated non-supporting designated uses, much of the data generated from implementing these corrective efforts results in a higher ratio of impacted watersheds monitored and reported in the IR compared to known or suspected supporting habitats. Again, thus skewing the picture one might draw if not considering all monitored and unmonitored resources in total, along with programmatic-driven results.

The last section reporting on assessment results for this cycle discusses lakes and reservoirs. The KDOW has a long established program of monitoring water quality in these water bodies that are publically accessible. They are important to residents and visitors alike, supporting regions of the state economically with a strong tourist industry and spinoff industries. This monitoring program helps ensure water quality is maintained or managed and improved where necessary. Some of the multiple uses these resources provide a venue for: boating; skiing; canoeing and kayaking; swimming; fishing; diving; beaches to play on; and perhaps most importantly, sources for quality drinking water.

All identified waterbody pollutants and their occurrence are presented relative to stream mile or lake/reservoir surface water acres. Those data and the

frequency relative to monitored resources are presented both as a statewide statistic and broken down by river basin for the Green – Tradewater BMU.

3.3.1 Statewide Assessment Results (Designated Use Support)

Targeted Monitoring: Streams and Rivers. Statewide, the 2014 reporting period resulted in a total of 12,137 stream and spring run miles assessed statewide (Table 3.3.1-1). This is a cumulative total that includes both new and carried forward miles from each previous 305(b) reporting cycle. This number represents an increased cumulative total of 888 stream and spring run miles and 144 stream segments assessed compared to the 2012 IR cycle. The total acreage of lakes, reservoirs and ponds assessed are 219,355 acres. This compares to 219,479 acres assessed in the 2012 IR cycle. Note, Table 3.3.1-1 in the 2012 IR had a sum total error (i.e. each reporting category total was summed cumulatively to produce the total miles for each waterbody type [e.g. "River"] total); a corrected 2012 table is presented in Appendix B; all comparative statistics reflect the corrected results.

Compared with the 2012 IR, the absolute number of stream miles monitored and assessed resulted in a small net increase, the relative percent change among the combined general categories of:

- Supporting,
- not supporting requiring a TMDL,
- not supporting with a TMDL, and
- not supporting due to pollution,

changed two percent or less (Table 3.3.1-2). Of the 90,961 stream miles in the Commonwealth at the scale of 1:24,000, the 12,137 stream miles monitored and assessed represent about 13 percent of these aquatic resources. While the monitored results indicate four percent of all (monitored + unmonitored) stream miles support one or more assessed designated use, the agency considers all unmonitored streams and segments to be fully supporting each applicable designated uses for regulatory purposes. This resource management practice results in 82,923 miles (91 percent) meeting uses for permitting and

Table: 3.3.1-1. Size of surface waters assigned to reporting categories for Kentucky¹ for the reporting cycle 2014.

<u>Water Body</u>	<u>Category</u>										<u>Total Miles/Segments</u>
	<u>1</u>	<u>2</u>	<u>2B²</u>	<u>2C²</u>	<u>3²</u>	<u>4A</u>	<u>4B</u>	<u>4C</u>	<u>5</u>	<u>5B³</u>	
RIVER (MILES)	11.20	3,968.82	108.75	128.00	164.90	929.45	0.00	21.85	7,076.75	117.52	12,125.59/2,423
FRESHWATER RESERVOIR (ACRES)	53,890.00	77,242.45	0.00	109.00	109.00	0.00	0.00	190.00	87,733.10	0.00	219,055.55/120
SPRING (MILES)	0.00	0.85	0.00	0.00	0.00	0.00	0.00	0.00	10.66	0.01	11.52/18
FRESHWATER LAKE (ACRES)	0.00	295.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	63.00	295.00/5
POND (ACRES)	0.00	3.30	0.00	0.00	0.00	0.00	0.00	0.00	1.50	0.00	4.80/2
FRESHWATER WETLANDS (ACRES)	0.00	0.00	0.00	0.00	324,000.00	0.00	0.00	0.00	0.00	0.00	0.00/0

¹Refer to Table 3.2-1 on page 47 for a definition of each reporting category.

²"Total in State" sum does not include miles in this category or subcategory as these miles occur in other categories, or were not assessed.

³Category 5B miles represent assessment of evaluated results based only on discharge monitoring reports; therefore, none require a TMDL.

antidegradation implementation. Statistically, this compares equally to the results of the 2012 IR

Two state-defined reporting categories are 2B and 2C (Table 3.2-1). These categories are populated with stream miles or reservoir acreage that are currently listed as not supporting and assigned to category 4A or 5. These categories represent water bodies and segments that current data indicate designated uses are supported. Those water bodies in category 2B will be removed from the 303(d) list upon EPA approval. Water bodies in category 2C have an approved TMDL and current monitored data indicate the designated uses are now supporting water quality standards. The two category totals represent 237 miles, about two percent of the total miles monitored (Table 3.3.1-1). These are stream miles and stream segments that through program implementation to abate pollutants or through changes in land use, now meet goals of the CWA. This is an increase of 68 stream miles (one percent) compared to the 2012 IR.

Table 3.3.1-2. Net increase or decrease in stream (and spring runs) miles that support or do not support designated uses compared to the 2012 reporting cycle, and relative percent change in statewide assessed streams that support or do not support uses. Note these numbers do not include Category 5B.

	Miles of Streams Supporting Use(s)	Miles of Streams Not Supporting Use(s) & Require a TMDL	Miles of Streams Not Supporting with a TMDL	Miles of Streams Not Supporting due to Pollution (does not require a TMDL)
Statewide 2014	3,981 (33%)	7,087 (58%)	929 (8%)	22 (0.2%)
Statewide 2012	3,927 (35%)	6,490 (58%)	687 (6%)	35 (0.3%)
Net Miles & Percent Change	+54 (2%)	+597 (0%)	+242 (2%)	-13 (-0.1%)

Aquatic Life Use – All Program Results. Table 3.3.1-3 total number of river and stream miles for each DU is a subset of the total stream miles that have been monitored. The column “Total Assessed” represents the results for monitored streams with data sufficient to make a DU assessment determination. The majority of aquatic life habitat in the Commonwealth is WAH. Of the 10,824 miles assessed

Table 3.3.1-3. Individual designated use support summary for streams and rivers in Kentucky (miles).

Designated Use	Total in State	Total Assessed	Supporting-Attaining WQ Standards	Supporting-Attaining WQ Standards but Threatened	Not Supporting-Not Attaining WQ Standards	Not Assessed
Warm Water Aquatic Habitat	11,888.99	10,824.44	5,319.94	0.00	5,504.50	1,064.55
Cold Water Aquatic Habitat	401.50	397.10	349.80	0.00	47.30	4.40
Fish Consumption	12,290.49	1,786.30	679.90	0.00	1106.40	10,504.19
Primary Contact Recreation	12,290.49	5,954.49	1,742.20	0.00	4,212.29	6,336.00
Secondary Contact Recreation	12,290.49	2,004.27	1,342.75	0.00	661.52	10,286.22
Drinking Water	1002.05	889.95	889.95	0.00	0.00	112.1
Outstanding State Resource Water	2,113.10	2,040.00	1,788.50	0.00	251.50	73.10
<i>Column Total</i>	<u>52,277.11</u>	<u>23,896.55</u>	<u>12,113.04</u>	<u>0.00</u>	<u>11,783.51</u>	<u>28,380.56</u>

for WAH, 49 percent fully support measured water quality standards and biological indices. This is statistically the same result when compared to the 2012 IR. Three hundred ninety-seven (397) miles of CAH are assessed and 88 percent of those stream miles support the measured water quality standards and biological indices; up from 84 percent as reported in the 2012 IR. Combined WAH and CAH results indicate 51 percent of assessed stream miles fully support Aquatic Life Uses. Natural CAH systems are primarily fed by springs and/or located in higher elevations of the eastern Appalachian region. Some of the larger rivers below USACE dams discharge the cold water stored in the hypolimnion creating CAH in otherwise WAH systems.

Many of these streams are prized for the trout fishing they offer the recreating public.

Table 3.3.1-4. Miles of streams assessed for aquatic life and percentage of those miles supporting and not supporting the designated use from 2006 to 2012.

305(b) Cycle	Total Miles Assessed	Percentage of Assessed Miles Supporting	Percentage of Assessed Miles Not Supporting
2014	11,222	51	49
2012	10,256	50	50
2010	9,967	52	48
2008	9,530	53	47
2006	9,550	61	39

Fish Consumption. Of the stream miles monitored, the associated stream miles for fish consumption are 12,290. The total miles assessed are 1,786; of those, 680 stream miles (38 percent) support the water quality criteria for fish consumption. This compares to 62 percent reported in 2012; however, that statistic did not include the Ohio River segments not meeting one or more criteria for fish consumption. Of those 664 miles along Kentucky’s border, all are 303(d) listed not supporting fish consumption criteria for PCB and dioxin; the lower one-third of the river is currently listed for mercury in fish tissue. Thus, of those additional 664 miles in the database, all are not supporting two or more criteria for fish consumption. While the agency has always listed less than fully supporting Ohio River segments on its 303(d) list, this is the first cycle that 305(b) assessment results have been populated in the agency’s assessment database. Thus, this seeming statewide decline in support for this DU is only an artifact of previous reporting practices. Historically, the agency deferred to ORSANCO’s 305(b) report for the Ohio River, but now takes the associated data and populates the 305(b) assessment results in its ADB submission to EPA.

The statewide consumption advisory for mercury in fish tissue remains in effect. This advisory alone does not represent or indicate any particular water body is not meeting human health criteria for fish consumption, rather it is a precautionary advisory to inform members of the sensitive population there is the potential for low-level mercury in fish flesh at any given water body. The advisory

level is based on all concentrations of mercury residue in fish tissue generated by the agency's fish tissue monitoring program. Consumption guidance is based on health risk evaluation from the Great Lakes Protocol. In 2009 the Commonwealth issued a level 2 advisory for pregnant and nursing women and children under six years old. This advisory suggests these two groups limit their consumption of fish to 1 meal per week. A waterbody-specific mercury consumption advisory for fish from several streams and reservoirs also remains in effect

(<http://water.ky.gov/waterquality/Pages/FishConsumption.aspx>). Those water bodies are as follow:

- Lake Cumberland, Pulaski, Wayne, Russell and Clinton counties
- Guist Creek Lake, Shelby County
- Fish Lake, Ballard County
- Green River Lake, Adair and Taylor counties
- Knox Creek, Pike County
- Fishtrap Lake, Pike County

Polychlorinated biphenyl (PCB) contamination findings led to two water bodies (Knox Creek and Fish Trap Lake) added to that advisory in 2007; both water bodies occur in the Big Sandy River basin. Knox Creek originates in Virginia and is a tributary of Tug Fork River. Fishtrap Lake is approximately 1,100 surface acres and was formed by impounding the Levisa Fork. The fish consumption advisory includes the entire reservoir and the Levisa Fork from the reservoir backwaters to the Kentucky - Virginia state line. Virginia has a similar fish consumption advisory on Knox Creek to the headwaters and on a portion of Levisa Fork.

PCBs are man-made chemical products that are similar in chemical structure. These chemicals are toxic and persistent in the environment. In 1976 congress passed legislation that prohibits the manufacture, process and distribution in commerce of PCBs. Polychlorinated biphenyl (PCB) contamination findings have led to eight water bodies listed below for consumption advisory:

- Knox Creek from mouth at Tug Fork River to Kentucky - Virginia state line
- Levisa Fork from Fishtrap Lake backwaters to Kentucky - Virginia state line
- Fishtrap Lake, Pike County
- Mud River from Hancock Lake Dam to mouth in Logan, Butler and Muhlenberg counties

- Town Branch Creek, headwaters to mouth in Logan, Butler and Muhlenberg counties
- West Fork Drakes Creek, dam at City of Franklin to mouth in Simpson and Warren counties
- Little Bayou Creek from headwaters to mouth in McCracken County
- Ohio River

Primary (Swimming) Contact Recreation Use. The percentage of assessed stream miles that do not support primary contact recreation (PCR) continues as the highest of all uses at 71 percent, representing 4,212 stream miles (Table 3.3.1-3). This represents an increase of one percent compared to the 2012 IR. This designated use has the second highest number of assessed stream miles in the Commonwealth, 5,954 (Table 3.3.1-3); an increase of 885 miles (15 percent) assessed since the 2012 IR. Incorporation of the Ohio River into the 305(b) ADB accounts for the majority of this increase of monitored and assessed stream miles. Note, water quality criteria for this designated use apply during the recreation months of May through October; a criterion for pH also applies to this DU and accounts for a small portion of non-supporting stream miles for this DU.

Listed below are nine water bodies and segments where swimming advisories exist. One may also access this information at:

<http://water.ky.gov/waterquality/Pages/SwimmingAdvisories.aspx>.

Upper Cumberland River Basin

- Cumberland River from SR 2014 bridge to Pineville SR 66 bridge and from SR 219 bridge (Wallins Creek Bridge) to Harlan
- Martins Fork from Harlan to Cawood Water Plant
- Catrons Creek
- Clover Fork
- Straight Creek
- Looney Creek from mouth to Lynch Water Plant Bridge

Lower Licking River Basin

- Banklick Creek
- Threemile Creek

Kentucky River Basin

- North Fork Kentucky River upstream of Chavies to source (headwaters)

In 2013 monitoring by the USACE and KDOW confirmed potentially harmful algal blooms (HABs) exist in several reservoirs in the Commonwealth. HABs are bacteria known as cyanobacteria, or blue-green algae. The potential human health concern is driven by toxins contained in the cells and released to the environment when the cells die. Some potential human effects caused by exposure to the toxins may include respiratory distress, skin irritation and rash. These toxic effects occur at high, dense populations of cyanobacteria. The excessive growth of HABs can produce allergic and harmful effects to pets and livestock exposed to dense HAB growths. There are currently no regulatory water quality standards for HABs, but EPA is developing a human health advisory level for HAB toxins for the protection of drinking water. These advisory criteria are scheduled for release in 2016. For a list of water bodies with potential HABs, general information, the KDOW's current strategy to stay abreast of this emerging water quality concern and access to USACE information, please see the KDOW's webpage (<http://water.ky.gov/waterquality/pages/HABS.aspx>).

Secondary Contact Recreation Use. The secondary contact recreation standard is applied to protect people from incidental water contact or partial body emersion that may occur in such activities as fishing and boating; the same pH criterion applies to this DU as it does to primary contact recreation.

Secondary contact recreation DU criteria apply year-round, and criteria to maintain water quality for this use are based on fecal coliform standard of 2,000 colonies/100 mL, or a geometric mean of 1,000 colonies/100 mL in streams, lakes and reservoirs; additionally, there is an applicable pH criterion. The number of monitored and assessed miles for the DU increased 15 miles to 2,004 miles. Sixty-seven (67) percent of those miles (1,343) fully support the use. That is statistically the same level of support when compared to the 2012 IR, a slight decrease from 66 percent of assessed stream miles compared to the 2010 IR. Compared to 2008 results, this is an increase in support level of three percent of assessed stream miles (KDOW, 2008). No comparison for years prior to the 2006 IR can be made as no assessments for the SCR use in flowing waters were made based on pathogen indicator (bacteria) data.

Drinking Water Use. Drinking water standards apply to the source water at point of intake. While all water bodies in the Commonwealth carry this DU, it is only implemented through water quality standards where an active drinking water intake is located. The drinking water use support was assessed by review of the Consumer Confidence Reports (CCR) over a five-year span. The annual CCR is based on the average annual quarterly results for contaminants as reported in MORs (monthly operating reports) and are required by the Safe Drinking Water Act. The average annual result of these quarterly data is determined for compliance purposes; if an average annual quarterly contaminant exceeds the MCL (maximum contaminant levels) the source water does not support the DU. The MCLs are based on concentration of each contaminant in the finished product distributed for public consumption. Of those stream miles (890) assessed, all were fully supporting drinking (domestic) water use (Table 3.3.1-2). There were 143 additional stream miles assessed for this DU compared to the 2012 IR. Inclusion of the Ohio River in the KDOW's ADB accounted for many of the increased miles.

Causes and Sources Related to Nonsupport of Uses. The list of causes (pollutants) identified impairing Kentucky rivers and streams are presented in Table 3.3.1-5. Of those, the five leading causes (pollutants) by assessed stream miles (Figure 3.3.1-1) for designated use non-support of Kentucky streams and rivers are:

- 1) fecal coliform + *E. coli* (pathogens);
- 2) sedimentation/siltation;
- 3) nutrient/eutrophication biological indicators;
- 4) cause unknown; and
- 5) specific conductance.

Thus, the top five identified causes impairing Kentucky streams remain the same as in the 2012 IR, but for the cause "specific conductance" that moved ahead of "total dissolved solids," which is now the sixth most common cause of non-supporting DU. The pathogen indicators, fecal coliform and *E. coli*, have been the most common cause of impairment of water bodies in Kentucky for multiple 305(b) reporting cycles. Of the 48 causes listed in Table 3.3.1-5, those top five causes are associated with 11,293 assessed stream miles; whereas, the remaining 43 causes of impairment are associated with 6,496 stream miles.

According to the most recent EPA report (http://ofmpub.epa.gov/waters10/attains_nation_cy.control) that compiled all state 305(b) assessment results, the nation’s water quality is impacted most frequently by the following causes of impairment:

- 1) pathogens,
- 2) sedimentation/siltation,
- 3) nutrients,
- 4) mercury, and
- 5) organic enrichment/oxygen depletion.

Compared nationally, the top three causes of impairment in Kentucky rivers and streams are reflective of those pollutants that are attributing to impairment of the majority of assessed river and stream miles of the other 49 states. All the top five national causes of impairment are in fact found in the top 10 most common causes for Kentucky’s rivers and streams (Table 3.3.1-5).

Table 3.3.1-5. Ranking of causes (pollutants) affecting Kentucky rivers and streams.

Cause	Total Size
1. Fecal coliform + <i>E. coli</i> (pathogen indicators)	4,277.52
2. Sedimentation/Siltation.....	3,618.05
3. Nutrient/eutrophication biological indicators.....	1,711.10
4. Cause Unknown	859.25
5. Specific Conductance	826.62
6. Total Dissolved Solids	764.55
7. Organic enrichment (sewage) biological indicators	743.20
8. Dioxin (including 2,3,7,8-TCDD).....	664.10
9. PCB in Water Column.....	664.10
10. Mercury in Fish Tissue.....	564.15
11. Iron.....	504.20
12. Oxygen, Dissolved.....	365.41
13. pH	251.00
14. Total Suspended Solids (TSS)	220.70
15. Turbidity	214.35
16. Other Flow Regime Alterations	206.15
17. PCB in Fish Tissue	182.80
18. Phosphorus (Total)	172.05
19. Lead.....	116.65
20. Methylmercury.....	121.40
21. Chlorine	112.80
22. Temperature, Water	87.60
23. Nitrate/Nitrite (Nitrite + Nitrate as N).....	68.15
24. Copper	67.15
25. Nitrogen (Total)	48.12

26. Ammonia (Un-ionized)	45.25
27. Ammonia (Total)	34.50
28. Other	30.00
29. Polychlorinated Biphenyls	28.70
30. Cadmium	24.90
31. Oil and Grease	22.00
32. Zinc	21.85
33. Chloride	17.35
34. Beta Particles and Photon Emitters.....	18.70
35. Gross Alpha.....	18.70
36. BOD, Carbonaceous.....	18.65
37. Total Kjeldahl-Nitrogen (TKN)	14.10
38. Nickel	12.20
39. Mercury	11.50
40. Sulfates	10.10
41. Manganese.....	7.70
42. Ethylene Glycol	6.90
43. Chromium (total)	4.05
44. Nitrates	2.15
45. Salinity	2.15
46. Dissolved Gas Supersaturation	2.00
47. Selenium	1.90
48. Chlorine, Residual (Chlorine Demand)	1.70

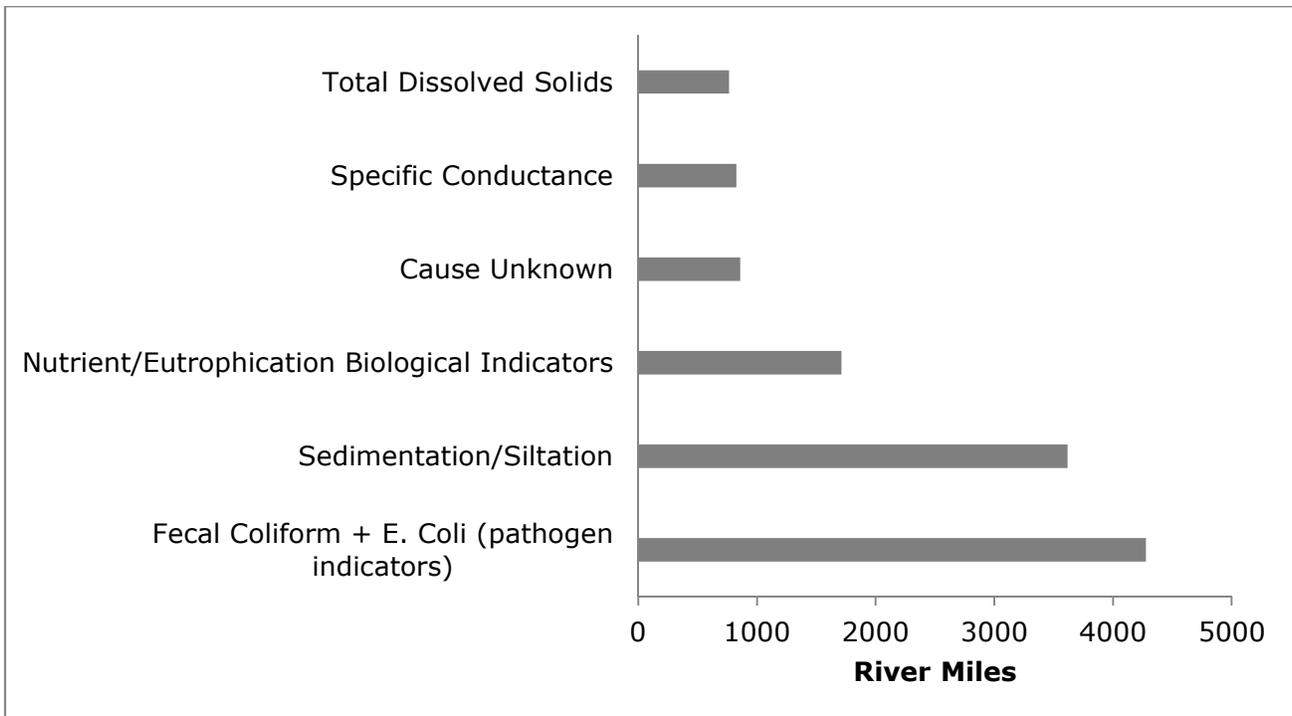


Figure 3.3.1-1. The most common pollutants and number of assessed miles impacting Kentucky rivers and streams.

The leading sources of these impairments are found in Table 3.3.1-6. Each of the 18 general categories is populated by more specific suspected sources of the pollutants and pollution. These specific sources are summed giving each general category the number of miles associated with pollutants and pollution. The five general source categories most frequently associated with those causes attributed to impairment are as follows (Figure 3.3.1-2):

- 1) agricultural related,
- 2) habitat related (other than hydromodification),
- 3) source unknown,
- 4) urban or municipal, and
- 5) mining.

These leading sources of pollutants have not changed rank according to greatest associated miles when compared to the 2012 IR. The category "Agriculture" remained the most frequently related source of pollutants in this reporting cycle (Table 3.3.1-6 and Figure 3.3.1-2). Of the 8,157 stream and spring run miles (categories (4A + 4C + 5 + 5b) - 2B= 8,156.24) (Table 3.3.1-1) not supporting one or more DUs, about 54 percent (4,408 miles) are affected by agricultural sources; "Habitat Related (other than hydromodification)" second at 41 percent (3,362 miles); and "Source Unknown" is associated with 33 percent (2,669 miles).

This current reporting cycle provides some insight into how land use and practices affect water quality. While this reporting cycle is comprised of assessment results statewide, the emphasis of monitoring, and thus assessment focused on the Green – Tradewater BMU. Of the statewide miles assessed, a sizable number was generated in the lower Salt River basin that drains most of the Louisville Metropolitan Area. Therefore, there is a decided urban land use influence that is reflected in a noticeable shift in the relative increase of source contribution of causes. Table 3.3.1-6 provides the relative source contribution change compared to the 2012 IR. The greatest relative increase in suspected sources is in the category "Nonpoint Source, Unspecified." That particular source is the eighth most frequently reported suspected source nationally (http://ofmpub.epa.gov/waters10/attains_nation_cy.control). The statewide relative increase was about 37 percent, or 313 miles (Table 3.3.1-6). While "Agriculture"

and "Urban or Municipal" are two of the larger contributing categories of suspected sources of causes in the Commonwealth, this particular category of non-point sources of pollutants showed a substantial increase, along with defined nonpoint source categories. Four other general categories showed a large percentage of miles increased relative to the 2012 IR statistics. The category "Miscellaneous" is a mixture of recreational activity and facility sources, nonpoint source from military bases and upstream or downstream general sources (i.e. atypical nonpoint sources). The increase of 108 stream and river miles is a 32 percent increase relative to the 2012 IR report (Table 3.3.1-6). The last two substantial relative increase in associated sources of causes is the generic "Source Unknown" and "Residential," each with an increase of over 15 percent (Table 3.3.1-6).

The category "Agriculture" is the largest general source category for pollutants in the Commonwealth (Table 3.3.1-6). This source has slightly more than 4,400 associated stream and river miles, a small increase from the 2012 IR results of 91 miles or 2 percent. This general source category is the largest source nationwide as reported by all states to EPA with 139,340 stream miles impaired by pollutants from this source (http://ofmpub.epa.gov/waters10/attains_nation_cy.control). The general source category "Habitat Related (other than hydromodification)" is the second largest source of pollutants for the Commonwealth's flowing water bodies with 3,362 associated miles; this was a decrease of 311 miles from the 2012 IR. The third largest source is "Urban or Municipal" that had a slight increase of 13 miles, followed by "Mining" with a decrease of 43 miles and "Residential Related" with an increase of 240 miles.

Table 3.3.1-6. Probable sources of impairment to Kentucky rivers and streams¹.

<u>Source Categories</u>	<u>Miles</u>
<i>Agriculture</i>	
Agriculture (unspecified).....	1,567.72
Crop production (crop land or dry land)	611.15
Non-irrigated crop production.....	608.05
Livestock (grazing or feeding operations).....	541.35
Managed pasture grazing.....	330.00
Grazing in riparian or shoreline zones.....	208.55
Unrestricted cattle access	205.65
Animal Feeding Operations (NPS)	157.00

Table 3.3.1-6 (cont.). Probable sources of impairment to Kentucky rivers and streams¹.

Source Categories	Miles
Irrigated crop production	72.20
Rangeland grazing	42.90
Manure runoff	35.15
Permitted runoff from confined animal feeding operations (CAFOS)	14.30
Aquaculture (not permitted).....	5.80
Dairies (outside milk parlor areas)	4.50
Specialty crop production.....	3.60
Category total (agriculture).....	<u>4,407.92</u>
<i>Habitat Related (other than hydromodification)</i>	
Loss of riparian habitat.....	1,763.68
Channelization.....	691.35
Streambank modifications/destabilization	514.05
Habitat modification – other than hydromodification.....	392.20
Site clearance (land development or redevelopment)	215.20
Dredging (e.g. navigation channels).....	96.80
Category total	<u>3,673.28</u>
<i>Source Unknown (total)</i>	<u>3,268.20</u>
<i>Urban or Municipal</i>	
Municipal point source discharges	836.45
Urban runoff/storm sewers	559.32
Unspecified urban stormwater	259.65
Municipal (urbanized high density area).....	132.75
Wet weather discharges (non-point source)	81.30
Sanitary sewer overflows (collection system failures)	60.90
Wet weather discharges (point source and combination of stormwater, SSO or CSO)	48.55
Impervious surface/parking lot runoff.....	25.45
Combined sewer overflows	4.30
Discharges from municipal separate storm sewer systems (MS4)	3.50
Category total	<u>2,012.17</u>
<i>Mining</i>	
Surface mining	775.20
Coal mining (unspecified)	548.00
Sand/gravel/rock mining or quarries	119.15
Legacy Coal Extraction	125.45
Acid mine drainage	108.00
Impacts from abandoned mine lands (inactive)	95.40
Mountaintop mining	45.35

Table 3.3.1-6 (cont.). Probable sources of impairment to Kentucky rivers and streams¹.

Source Categories	Miles
Coal mining (subsurface)	35.70
Dredge mining.....	32.80
Coal mining discharges (permitted).....	15.20
Mine tailings.....	9.10
Reclamation of inactive mining	7.70
Subsurface (hardrock) mining	5.10
Category total	<u>1,912.15</u>
<i>Residential Related</i>	
Package plant or other permitted small flows discharges..	694.07
On-site treatment systems (septic systems and similar decentralized systems)	461.80
Sewage discharges in unsewered areas	149.65
Rural (residential areas)	114.15
Residential districts	69.92
Unspecified domestic waste	66.80
Category total	<u>1,556.39</u>
<i>Non-point Source, Unspecified</i>	
Non-Point Source.....	854.74
Category Total.....	<u>854.74</u>
<i>Fuel or Energy Related (other than coal)</i>	
Petroleum/natural gas activities.....	325.15
Petroleum/natural gas production activities (permitted)...	163.30
Category total	<u>488.45</u>
<i>Transportation</i>	
Highway/road/bridge runoff (non-construction related) ...	307.42
Highways, roads, bridges, infrastructure (new construction)	79.85
Airports	1.70
Category total	<u>388.97</u>
<i>Erosion and Sedimentation</i>	
Post-development erosion and sedimentation	253.80
Channel erosion/incision from upstream hydromodifications	56.25
<i>Erosion and Sedimentation (cont.)</i>	
Sediment resuspension (contaminated sediment)	30.50
Erosion from derelict land (barren land).....	15.75
Sediment resuspension (clean sediment)	11.55
Category total	<u>367.85</u>
<i>Miscellaneous</i>	

Table 3.3.1-6 (cont.). Probable sources of impairment to Kentucky rivers and streams¹.

Source Categories	Miles
Upstream source	165.80
Introduction of non-native organisms (accidental or intentional)	47.90
Other recreational pollution sources	29.40
Other spill related impacts	24.95
Golf courses	17.50
Drought-related impacts	13.25
Runoff from forest/grassland/parkland	13.10
Off-road vehicles	10.40
Drainage/filling/loss of wetlands	4.50
Sources outside state jurisdiction or borders	3.60
Upstream/downstream source	3.30
Low water crossing	2.90
Marina/boating pumpout releases	2.70
NPS pollution from military base facilities (other than port facilities)	2.50
Category total	<u>341.80</u>
<i>Silviculture</i>	
Silviculture activities (unspecified)	174.65
Silviculture harvesting	115.30
Woodlot site clearance	19.40
Woodlot site management	8.30
Silviculture Reforestation	6.60
Forest roads (road construction and use)	3.30
Category total	<u>327.55</u>
<i>Industrial</i>	
Industrial point source discharge	186.10
Unpermitted discharge (industrial/commercial wastes)	23.30
Industrial/commercial site stormwater discharge (permitted)	5.20
Commercial districts (industrial parks)	4.80
Commercial districts (shopping/office complexes)	2.60
Category total	<u>222.00</u>
<i>Waste Disposal</i>	
Inappropriate waste disposal	70.25
Illegal dumps or other inappropriate waste disposal	53.20
Landfills	43.55
Septage disposal	29.05
Category total	<u>322.40</u>
<i>Hydromodifications: dams or impoundments (stream flow)</i>	
Impacts from hydrostructure flow regulation/modification ..	60.10

Table 3.3.1-6 (cont.). Probable sources of impairment to Kentucky rivers and streams¹.

Source Categories	Miles
Upstream impoundments (e.g. NRCS structures)	29.35
Dam or impoundment	17.90
Flow alterations from water diversions.....	4.40
Category total	<u>111.75</u>
<i>Natural</i>	
Natural Sources	28.80
Natural conditions – water quality standards use attainability analysis needed	1.20
Category total	<u>30.00</u>
<i>Atmospheric Deposition</i>	
Atmospheric deposition – toxics.....	11.30
Category total	11.30

¹Information is based on 305(b) assessment results.

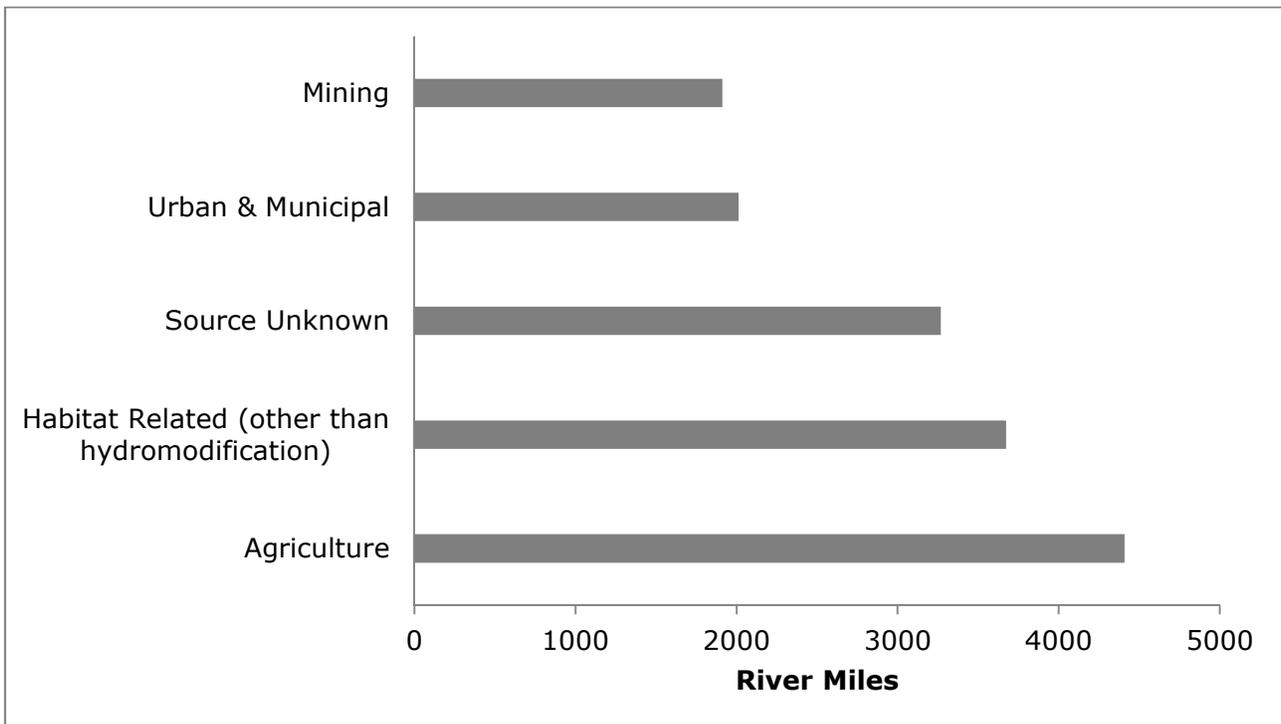


Figure 3.3.1-2. Most frequently associated sources of pollutants identified in Kentucky rivers and streams.

As assistance for the management of resources, the greatest relative changes in source contribution of pollutants and pollution contributing to impair rivers, streams and spring runs are provided in Table 3.3.1-7. All sources have increased; the greatest by relative numbers are those miles impacted from nonpoint sources.

Table 3.3.1-7. Greatest relative change in source contribution of pollutants and pollution in rivers, streams and spring runs.

General Source Category	Current Associated (Miles)	2012 Associated (Miles)	Increase (Miles)	Percent Increase
Nonpoint sources	854	541	313	36.7
Miscellaneous	342	234	108	31.6
Source unknown	4,408	2,669	599	18.3
Residential related	1,556	1,316	243	15.4
Habitat related	3,673	3,362	311	8.5

Probability Monitoring: Aquatic Life Use. Over the timespan of the Clean Water Act a general question has been raised: "What is the condition (health) of the nation's waters?" Upon trying to piece together a sound response to this question, it was realized such broad, multi-use and waterbody-type trend information was not available. Data review and analysis concluded that while EPA and partner agencies have done a good at collecting data about site-specific conditions of the nation's waters, there exist no data to determine the overall condition and trend of the waters on a national scale. National studies were undertaken to answer that question and related questions, "Are water quality [fishable and swimmable] conditions improving?" Are there new issues and threats related to aquatic ecosystem health, or any successes? The national surveys were undertaken in-part to help citizens determine if more money and resources need to go toward water quality issues, or if the billions of dollars being spent to curb and control pollution is simply not working.

To begin to answer this complex question, it was determined that a statistically valid random biosurvey of the nation's water bodies was necessary. The first study EPA developed to begin answering these questions was a random design study of the nation's streams. It needed to be able to make substantive decisions concerning the ecological condition of wadeable streams in the contiguous states. The random survey may be likened to a political poll where a random sample of likely, eligible voters in a given congressional district, or nationally in a presidential race, is polled to discover the likelihood of a particular candidate to win election. In the national survey, all wadeable streams of Strahler order 1-5 in similar ecoregions, or group of similar ecoregions based on biological similarities known as bioregions, defined the population to randomly select representative stream segments to monitor in order to draw scientifically sound conclusions on the findings of those data. The national study segregated the contiguous 48 states into three broad regions defined as West, Eastern Highlands and Eastern Lowlands (Wadeable Streams Assessment, U.S. EPA, 2006). The next wadeable streams and rivers survey was conducted in 2008-9; a draft report (February 2013) can be accessed online at: <http://water.epa.gov/type/rsl/monitoring/riverssurvey/index.cfm>). Additional aquatic resources (lakes, coastal waters and wetlands) are in various stages of development, field study, research and reporting.

The first statewide random wadeable streams (Strahler order 1-5) biosurvey was completed in the initial phase of the five-year cycle in Kentucky. This program is now in the fourth five-year cycle. Results for the first completed 5-year cycle (1998 – 2002) were presented in Table 3.3.1-3 and Figure 3.3.1-1 of the 2006 IR. While other monitoring priorities prevented a probabilistic biosurvey of the Kentucky River BMU in water-year 2007, the BMU was included in this program in 2013. Comparative results between the first and second cycles of statistical monitoring will not be made given the absence of results from the Kentucky River BMU. The third full BMU cycle (2008 – 2012) will be completed and it is anticipated a statewide comparison can be made in the 2016 IR. In addition to the various biological, TMDL, ambient water quality and fish tissue monitoring presented in Section 3.3.2, the statistical biosurvey results are presented for the Green – Tradewater BMU.

Statewide Aquatic Life and Primary Contact (Swimming) Recreation

Support by Basin. Individual DU support by major river basin is shown in Table 3.3.1-8. This overview of the Commonwealth's major river basins to date show the greatest percentage of assessed river miles not supporting aquatic life use is found in the Mississippi River basin (82.1 percent) and the Big Sandy River basin with 82.0 percent of miles not supporting. Figure 3.3.1-3 depicts the percentages of aquatic life and PCR uses that fully support by major river basin. Those two river basins have been the number one or two basins with the least supporting miles for aquatic life use in each biennial reporting cycle since the 2006 IR. The land use in each basin is intensive. The Mississippi River basin in Kentucky is located in the Jackson Purchase region where agriculture production is the predominant land use. Most all streams in this basin, among others, have been moved and channelized with the associated wetlands drained. A result is the loss of habitat structure, hydrologic regime change and loss of riparian habitat that affects water quality and habitat directly and indirectly by loss of the in-stream and out-of-stream upland buffering this habitat provides. Similarly, in land use intensity the Big Sandy River basin has the most percentage of land involved with coal production in the Commonwealth, based on mine licenses and tonnage (source, [http://energy.ky.gov/Coal%20Facts%20Library/Kentucky%20Coal%20Facts%20-%202015th%20Edition%20\(2015\).pdf](http://energy.ky.gov/Coal%20Facts%20Library/Kentucky%20Coal%20Facts%20-%202015th%20Edition%20(2015).pdf), (accessed September 2015)). This land use alters stream hydrology and associated chemical composition of the water that often results in unnaturally high concentrations of total dissolved solids (salts) that may be composed of metals, other cations and anions; this change in water chemistry may have a toxic affect on aquatic life presenting physiological challenges that most freshwater organisms cannot tolerate. The Tradewater River basin and lower Cumberland River basin have the third and fourth greatest percent of non-supporting assessed streams, 77.6 percent and 65.0 percent of miles assessed (Table 3.3.1-8). The Tradewater River basin and lower Cumberland River basin land uses are each primarily agriculture as is most of the western Pennyroyal physiographic region. Overall landuse in this basin is similar to the Jackson Purchase, except there is a greater variety of landscape uses, including broken forested land.

Table 3.3.1-8. Number of river miles assessed and level of support by use in each major river basin. Those basins in bold type are emphasized this reporting cycle.

Basin	Total Assessed	Supporting	Partially Supporting	Not Supporting
<u>Big Sandy</u>				
Aquatic Life	784.90	141.05	320.30	323.55
Fish Consumption	76.70	53.40	15.30	8.00
Primary Contact Rec.	456.50	153.10	37.20	266.20
Secondary Contact Rec.	51.30	0.00	2.80	48.50
Drinking Water	104.25	104.25	0.00	0.00
Outstanding State Resource Water	7.05	7.05	0.00	0.00
<u>Green River</u>				
Aquatic Life	2,014.99	1,190.53	448.25	376.21
Fish Consumption	326.90	164.80	101.05	61.05
Primary Contact Rec.	1,128.95	296.25	284.15	548.55
Secondary Contact Rec.	653.80	383.20	66.55	204.05
Drinking Water	222.20	222.20	0.00	0.00
Outstanding State Resource Water	483.75	449.55	28.50	5.70
<u>Kentucky River</u>				
Aquatic Life	1959.05	1120.40	565.30	273.35
Fish Consumption	308.00	153.10	143.40	11.30
Primary Contact Rec.	985.25	285.50	110.60	589.15
Secondary Contact Rec.	442.75	396.30	8.90	37.55
Drinking Water	142.35	142.35	0.00	0.00
Outstanding State Resource Water	379.45	335.45	36.30	7.70
<u>Licking River</u>				
Aquatic Life	958.47	374.45	319.20	264.82
Fish Consumption	32.85	32.85	0.00	0.00
Primary Contact Rec.	590.17	126.40	84.20	379.57
Secondary Contact Rec.	204.92	113.25	50.95	40.72
Drinking Water	85.75	85.75	0.00	0.00
Outstanding State Resource Water	110.30	83.50	14.65	12.15
<u>Little Sandy</u>				
Aquatic Life	218.75	94.05	97.40	27.30
Fish Consumption	0.00	0.00	0.00	0.00
Primary Contact Rec.	51.20	39.25	11.00	0.95
Secondary Contact Rec.	2.00	2.00	0.00	0.00
Drinking Water	2.00	2.00	0.00	0.00
Outstanding State Resource Water	43.35	43.35	0.00	0.00

Table 3.3.1-8 (cont). Number of river miles assessed and level of support by use in each major river basin. Those basins in bold type are emphasized this reporting cycle.

Basin	Total Assessed	Supporting	Partially Supporting	Not Supporting
<u>Lower Cumberland</u>				
Aquatic Life	403.79	141.19	149.45	113.15
Fish Consumption	47.00	37.50	9.50	0.00
Primary Contact Rec.	229.85	31.25	70.15	128.45
Secondary Contact Rec.	2.45	2.45	0.00	0.00
Drinking Water	82.85	72.00	10.85	0.00
<u>Mississippi River</u>				
Aquatic Life	307.05	54.95	119.80	132.30
Fish Consumption	90.80	86.60	4.20	0.00
Primary Contact Rec.	59.65	11.35	10.10	38.20
Secondary Contact Rec.	5.35	5.35	0.00	0.00
Drinking Water	45.50	29.50	7.30	8.70
<u>Ohio River Mainstem</u>				
Aquatic Life	664.10	430.20	233.90	0.00
Fish Consumption	664.10	0.00	664.10	0.00
Primary Contact Rec.	664.10	292.00	281.00	91.10
Secondary Contact Rec.	0.00	0.00	0.00	0.00
Drinking Water	175.25	175.25	0.00	0.00
Outstanding State Resource Water	0.00	0.00	0.00	0.00
<u>Ohio River (minor tribs)</u>				
Aquatic Life	788.52	338.27	228.20	222.05
Fish Consumption	26.60	19.40	0.00	7.20
Primary Contact Rec.	391.52	92.45	54.05	245.02
Secondary Contact Rec	109.00	88.75	0.00	20.25
Drinking Water	0.00	0.00	0.00	0.00
Outstanding State Resource Water	95.55	73.15	22.40	0.00
<u>Salt River</u>				
Aquatic Life	980.12	600.65	206.55	172.92
Fish Consumption	61.10	45.90	14.20	1.00
Primary Contact Rec.	457.00	51.20	49.85	355.95
Secondary Contact Rec.	249.25	188.80	5.25	55.20
Drinking Water	5.10	5.10	0.00	0.00
Outstanding State Resource Water	127.00	124.80	0.00	2.20

Table 3.3.1-8 (cont). Number of river miles assessed and level of support by use in each major river basin. Those basins in bold type are emphasized this reporting cycle.

Basin	Total Assessed	Supporting	Partially Supporting	Not Supporting
<u>Tennessee River</u>				
Aquatic Life	299.80	299.80	102.40	54.25
Fish Consumption	22.40	22.40	8.40	0.00
Primary Contact Rec.	190.10	190.10	35.85	133.15
Secondary Contact Rec.	0.00	0.00	0.00	0.00
Drinking Water	0.00	0.00	0.00	0.00
Outstanding State Resource Water	50.10	48.80	1.30	0.00
<u>Tradewater River</u>				
Aquatic Life	345.80	77.55	123.75	144.50
Fish Consumption	0.00	0.00	0.00	0.00
Primary Contact Rec.	135.50	36.50	0.00	99.00
Secondary Contact Rec.	93.95	23.35	17.50	53.10
Drinking Water	25.80	25.80	0.00	0.00
Outstanding State Resource Water	22.70	23.60	4.10	0.00
<u>Tygarts Creek</u>				
Aquatic Life	111.45	72.80	36.75	1.90
Fish Consumption	50.70	5.40	0.00	45.30
Primary Contact Rec.	55.50	55.50	0.00	0.00
Secondary Contact Rec.	0.00	0.00	0.00	0.00
Drinking Water	1.00	1.00	0.00	0.00
Outstanding State Resource Water	0.00	0.00	0.00	0.00
<u>Upper Cumberland</u>				
Aquatic Life	1384.75	890.50	275.25	219.00
Fish Consumption	79.15	66.75	12.40	0.00
Primary Contact Rec.	559.20	250.35	55.00	253.85
Secondary Contact Rec.	191.50	141.30	4.00	46.20
Drinking Water	88.70	88.70	0.00	0.00
Outstanding State Resource Water	587.40	497.75	43.65	46.00

The three basins with the greatest aquatic life use support are Tygarts Creek (65.3 percent), the Ohio River mainstem (64.8 percent) and the Upper Cumberland River (64.3 percent) (Figure 3.3.1-3). Of the 13 major basins in the state as defined in Figure 3.3.1-4, it is important to note eight out of those 13 had a slight increase in aquatic life use support since the last IR (2012). Figure 3.3.1-4 has been

constructed in the last several IRs, in the 2012 IR results there were only four basins (Tradewater, Ohio River minor tributaries, Mississippi River, and Kentucky River) that had an increase in use support miles and the 2010 results were five basins (upper Cumberland, lower Cumberland, Tennessee, Salt, and Green) with a positive percent change in aquatic life use support. Over three (2010, 2012 and 2014) reporting cycles the following basins have shown increasing aquatic life DU support:

- 1) Mississippi,
- 2) Tennessee, and
- 3) Salt.

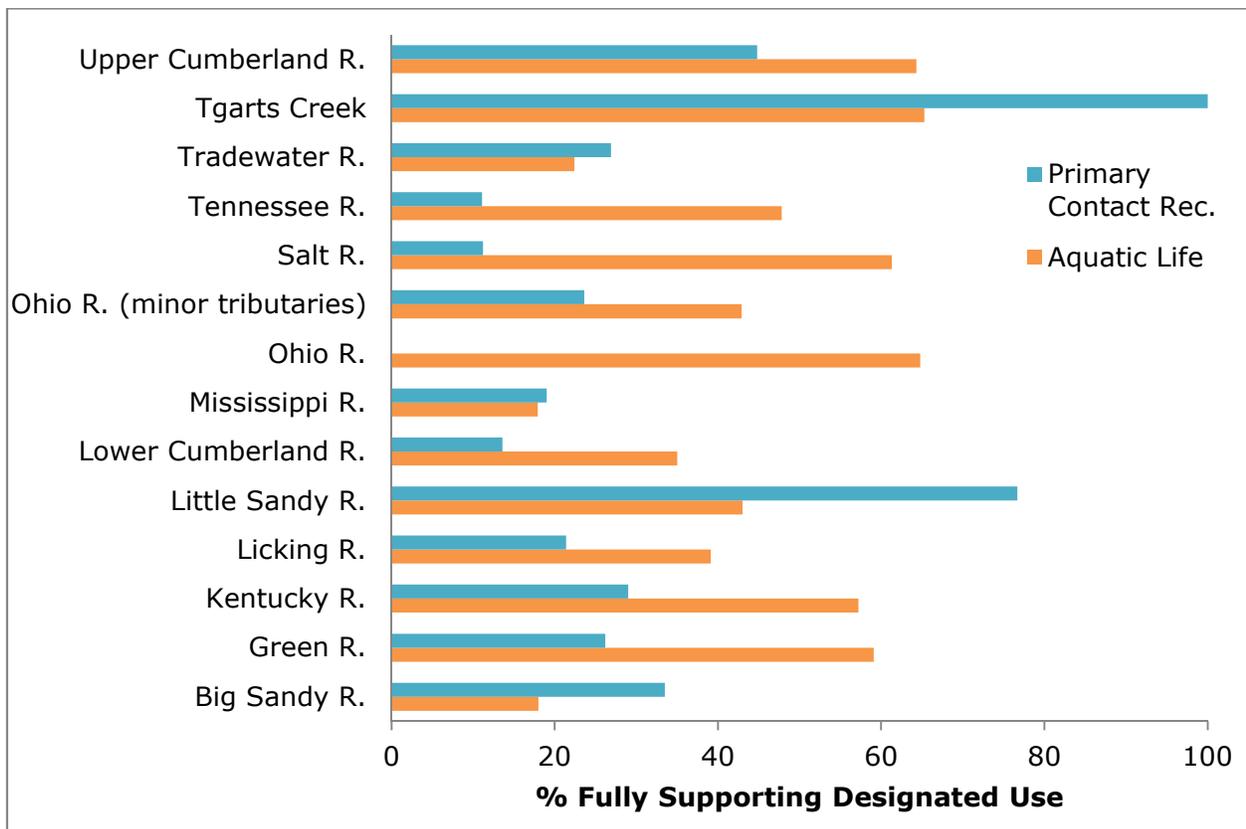


Figure 3.3.1-3. Aquatic life and primary contact recreation (swimming) designated use support based on monitored and assessed stream miles for major river basins in Kentucky, 2014 305(b) cycle.

Of note, the Ohio River mainstem drains all but the Jackson Purchase region of westernmost Kentucky. That over two-thirds of the Ohio River mainstem fully supports the two aquatic life DUs (WAH and OSRW) of that river is an important

result. This river ultimately drains the watersheds for every major Kentucky river tributary except the Tennessee River and Mississippi River minor tributaries. Of the 90,961 stream miles in the Commonwealth, the Ohio River tributaries account for 84,462 stream and river miles, or 93 percent of miles that drain the Kentucky landscape. While it is a nearly impossible task to monitor all stream miles in the state, recognizing the main distributary of Kentucky watersheds is fully supporting 65 percent of all bordering stream miles (>650) is noteworthy.

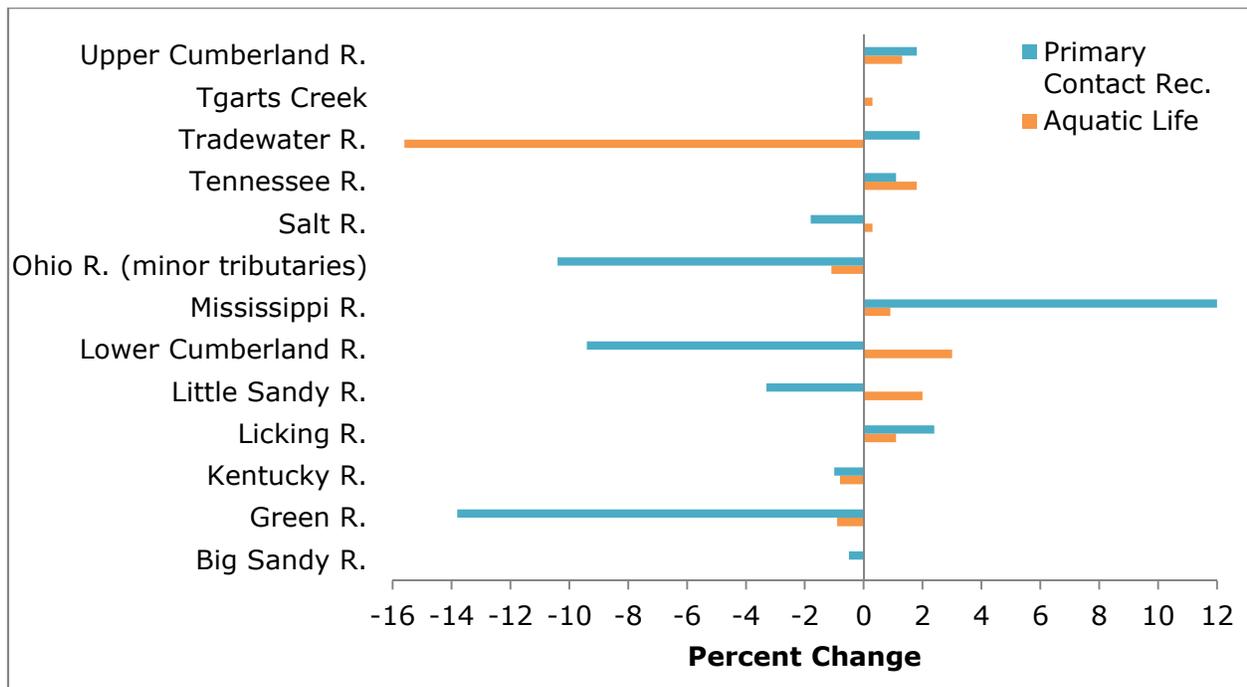


Figure 3.3.1-4. Percent change in aquatic life and primary contact recreation (swimming) full support level of assessed stream miles for major river basins in Kentucky between the 2012 and 2014 305(b) cycle.

As shown in Figure 3.3.1-3, the basins with the lowest percentage of assessed miles not supporting primary contact recreation are:

- 1) Ohio River mainstem (0 percent);
- 2) Tennessee River (11.1 percent);
- 3) Salt River (11.2 percent); and
- 4) Mississippi River (19 percent).

With the exception of the Ohio River, agriculture is the largest land use footprint. The Tennessee River and Mississippi River basins are intensively managed for

agriculture, especially row cropping of soybeans and corn, in addition to livestock production. The upper two-thirds of the Salt River basin is primarily mixed livestock and row crop agricultural production and the largest communities all with populations under 20,000. Long term longitudinal monthly bacteria monitoring on the Ohio River is primarily associated with monitoring stations located in association with the areas of the major municipalities of Huntington/Ashland, Cincinnati, Louisville and Evansville.

Inappropriate discharge of wastewater, both gray and black water, from straight-pipes to streams is not an uncommon occurrence in the Commonwealth, especially in unsewered areas. Those unsewered areas where topography lessens the effectiveness of septic tanks and often precludes suitable land or soils to run lateral field lines only exacerbate the condition. The associated pathogens with the straight-pipe discharge have no known effect on the aquatic life as they target warm-blooded hosts. Compared to the 2010 IR, basins with the greatest increase in percentage of assessed miles supporting PCR are the Tennessee River, the Kentucky River, the Big Sandy River and the Tradewater River (Figure 3.3.1-4). The Big Sandy River basin has long been a problematic area for pathogen-related water quality concerns. Much of this region is mountainous with many dense populations occurring in the narrow stream valleys, the only areas suitable for human settlement and commerce. This landform does not have adequate land available outside floodplains for proper septic treatment. However, there has been an effort to educate and eliminate illegal straight-pipes in some of the most problematic areas.

3.3.2 Focused Use Assessment Results for the 2014 305(b) Reporting Cycle

Green – Tradewater Basin Management Unit. Two major river systems and adjacent Ohio River minor tributaries are combined to form this BMU (Figure 2.2-1). The Green River is the largest intrastate river system (i.e. mainstem of the river is wholly in Kentucky) in the Commonwealth, draining an area of 9,807 square miles, including a small area of Middle Tennessee. This river originates in Lincoln County on the southwest face of Hall's Gap in south-central Kentucky. It flows for 300 miles after which it discharges into the Ohio River. There are four significant tributaries along this course: Nolin River; Barren River; Rough River and Pond River.

The Green River basin flows through the Pennyroyal and Shawnee Hills (Western Coal Field) physiographic regions. A large portion of the basin associated with the mid-river valley is significantly karstic with Mammoth Cave the prominent feature of this vast cave network. This feature makes the Green River basin particularly susceptible to changes in water quality relative to land uses. The Swiss-cheese latticework of underground channels results in surface water runoff quickly reaching ground water with little opportunity for natural filtration that would occur in non-karst geology. These subterranean streams often form gaining streams discharging into surface water flows. In 1969 the USACE created an 8,200 acre flood-control reservoir on the Green River mainstem, Green River Lake, which is located in the upper portion of the basin in south-central Kentucky. Most of the Pennyroyal (all but the southeastern quarter) is drained by this river system; the terrain is rolling terrain with associated broad, fertile bottomlands.

The Shawnee Hills is a region of hilly upland of relatively high relief and contains many swamps and bottomland hardwoods due to the poorly drained valleys. This physiographic region is often referred to as the Western Coalfield due to the significant coal deposits. At one time Muhlenberg County was the largest coal producing county in the nation, and the lower Green River was an important shipping corridor for this mined resource. Increased production from lows earlier in the 2000s has opened a number of mining operations in the last five years. The river can be navigated by commercial barge traffic up to lock and dam #3 (river mile 109.15).

The Tradewater River drains the western portion of the Shawnee Hills region and originates in northern Christian County, about eight miles north of Hopkinsville. The Tradewater is a low-gradient stream flowing through swampland characterized by cypress trees. This river is a tributary of the Ohio River. It is 135 miles long and drains 932 square miles, discharging into the Ohio River approximately five miles southwest of Sturgis. This portion of the physiographic region is similar to that described in the above paragraph. As with the lower Green River basin, the Tradewater River basin has had much surface coal mining, especially during the 1970s and 1980s.

To provide a quick reference of the supporting and not supporting stream and river miles in this BMU, Figures 3.3.2-1, 2 and 3 are provided below. These are

provided to put in context the discussion that will follow focused on this BMU and its three subunits, specifically.

Causes, Sources and Land Uses. The top five most frequent causes, and sources, associated with impaired stream miles in this BMU are enumerated in Table 3.3.2-1. Of the causes (pollutants) associated with impairment in this BMU, sedimentation, pathogens and nutrients/eutrophication are the top three for the BMU and its subunits (Green River basin, Tradewater River basin and Ohio River minor tributaries). These causes are often closely related, sediments physically disrupt and smother habitats, but because of the chemical properties of this pollutant other pollutants such as bacteria, metals, organic compounds (e.g. phosphorus and compounds, organic carbon, metals, pesticides) are readily sorbed. Except for PCB, the remaining of the top five causes are similarly related to the aforementioned three, but differ between the BMU subunits.

In the largest of the subunits, the Green River basin, PCB in fish tissue is the fourth most common cause of impairment. This is a result of historic industrial site contamination in the upper and mid-river basin that occurred in the 1980s. The water quality parameter pH is the fifth most common cause. This is a measure of hydrogen ions in solution; stability of this water quality characteristic is essential to a diverse biological community relative to cellular chemical balance and structure in addition to the proper chemical balance required, particularly for fishes, amphibians and mussels.

Causes of impairment in the Tradewater River basin are most frequently due to sedimentation/siltation, pathogens, flow alterations, nutrients/eutrophication biological indicators and DO (Table 3.3.2-1). All of these pollutants are often associated together in water bodies due to the relationship these pollutants manifest. This goes to the sedimentation sorption of chemicals and biological material, altered flow or hydrology that enhances erosion processes. The DO is a pollutant from the standpoint of too little creates loss of sufficient oxygen for respiration. Most often in water bodies the low DO is associated with super saturated DO; this mechanism is related to nutrient enriched conditions that create an environment suitable to overproduction of algae and sometimes aquatic plants. This imbalance creates a

high production of DO during photosynthesis and likewise a high demand of DO at night and early morning when the plants depend on DO for respiration. The minor Ohio River direct tributaries associated with this BMU had but one different pollutant compared to the Tradewater River basin, organic enrichment (sewage) biological indicators. Like nutrients/eutrophication indicators, this cause is a source for nutrient enrichment as nutrients are a component of organic enrichment associated with sewage, both domestic and animal sourced.

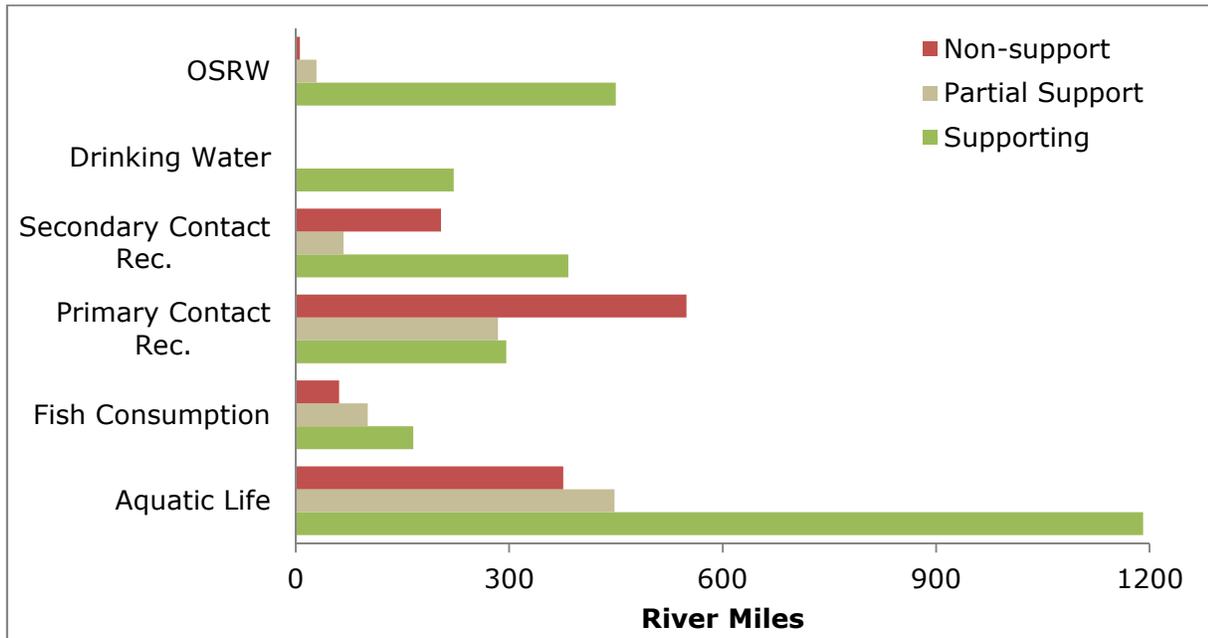


Figure 3.3.2-1. Designated use support in the Green River basin, 2014 305(b) cycle.

The sources (Table 3.3.2-1) of these common BMU pollutants are reflective of the predominant land uses of the region. The most commonly identified sources of causes are habitat related, agriculture and mining. Sources that are directly habitat related, are often a consequence of large-scale land disturbance in a region. While the two land uses (agriculture and surface mining) identified directly as sources are compatible with many aquatic habitats, special practices must be implemented to mitigate those sources that become the conduits of pollutants. One of the most detrimental effects of stream habitat integrity affecting the full support of aquatic life use is the source "Loss of Riparian Habitat" identified as one of the top three most common source of impairment in the BMU (Table 3.3.2-1). This is a source that is

often a direct result of other land use-related sources of impairments such as agriculture and resource extraction, and it is a major contributing factor to sedimentation and siltation.

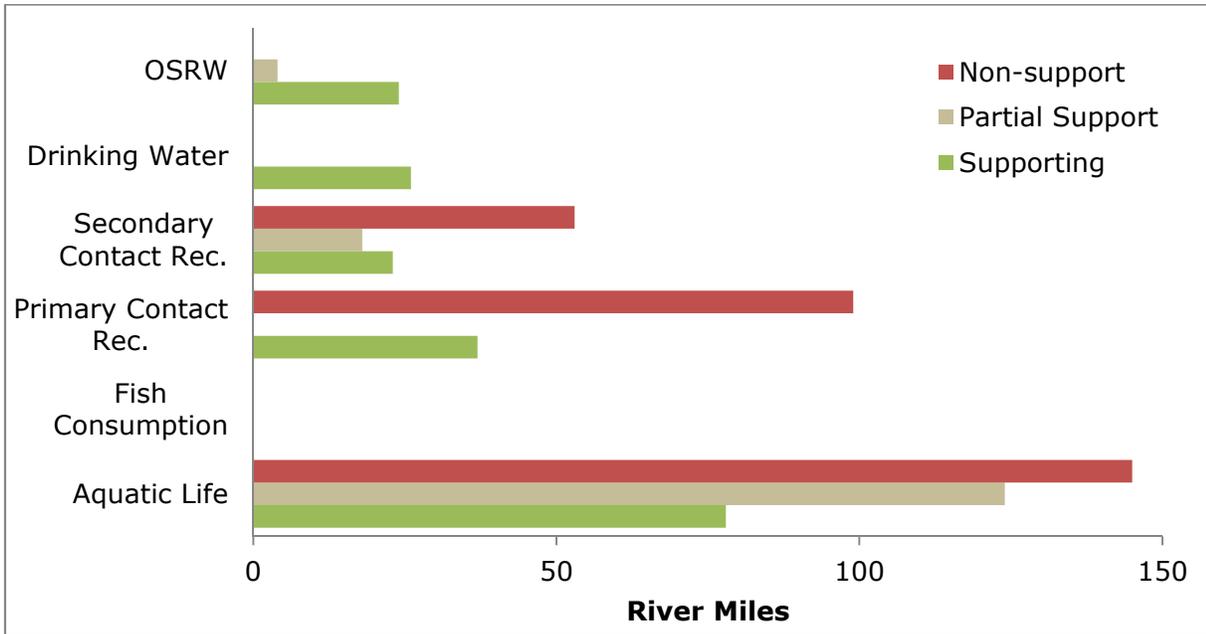


Figure 3.3.2-2. Designated use support in the Tradewater River basin, 2014 305(b) cycle.

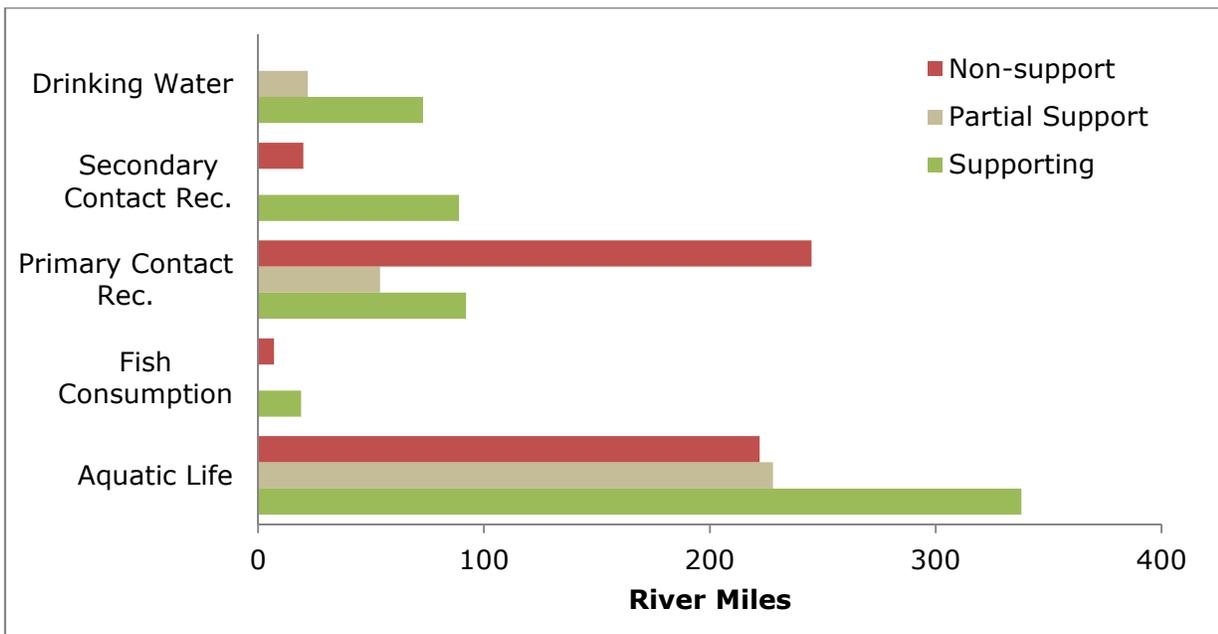


Figure 3.3.2-3. Designated use support in the Ohio River minor tributaries, 2014 305(b) cycle.

Table 3.3.2-1. Number of assessed river miles with the top five causes and sources in the major river basins within the Green River – Tradewater River and Ohio River BMUs.

<u>River Basin</u>	<u>Miles</u>		<u>Miles</u>
Green River			
<i>Causes</i>		<i>Sources</i>	
Pathogens	757.6	Source Unknown	662.15
Sedimentation/siltation	529.25	Loss of Riparian Habitat	332.96
Nutrient/Eutrophication Biological Indicators	212.6	Agriculture	227.9
PCB in Fish Tissue	122.3	Channelization	207.35
pH	113.2	Non-irrigated Crop Production	174.4
Tradewater River			
Sedimentation/siltation	140.25	Loss of Riparian Habitat	90.7
Pathogens	71.7	Source Unknown	79.75
Other Flow Regime Alterations	58.9	Surface Mining	61.4
Nutrient/Eutrophication Biological Indicators	58.6	Channelization	57.6
Oxygen, dissolved	54.8	Agriculture	47.15
Minor Ohio Tributaries			
Pathogens	137.32	Loss of Riparian Habitat	128.6
Sedimentation/siltation	98.55	Source Unknown	70.15
Nutrient/Eutrophication Biological Indicators	83.55	Agriculture	67.15
Oxygen, dissolved	47.35	Streambank Modification/destabilization	67.00
Organic enrichment (sewage) biological indicators	39.75	Non-Point Source	58.07
Ohio River (Main Stem)			
PCB in Water Column	664.1	Source unknown	664.1
Dioxin (including 2,3,7,8- TCDD)	664.1	Source unknown	664.1
Pathogens	372.1	Source unknown	372.1
Mercury in Fish Tissue	364.8	Source unknown	364.8
Iron	233.9	Source unknown	233.9

Targeted Monitoring: Aquatic Life Use. Targeted monitoring is a combination of all monitoring activities that result in assessment (i.e. in addition to statistical data to extrapolate use assessment over the defined stream population,

discrete assessment segments are determined). Of all the DUs, aquatic life is the largest category of monitored and assessed stream miles. This focus is one of the main goals of the CWA, that the nation's waters support a healthy and diverse aquatic population. The aquatic life designated use is sensitive to many potential perturbations due to the physical, chemical and interdependent biological functions that require a relatively narrow range of variability to maintain a healthy aquatic environment. The majority of miles assessed for this DU were monitored using biological community function and integrity as the key indicator(s) (typically macroinvertebrates or fishes) along with water quality grab samples for conventional pollutants at time of the biosurvey. However, stream miles associated with boatable waters and long-term ambient water quality stations were monitored for water quality using both conventional and toxic pollutants as indicators of level of DU support.

Of the 3,149 stream and river miles assessed in this BMU, additionally about 789 miles of the Ohio River along the Commonwealth's northern border were monitored by ORSANCO and those data were used by member states to make aquatic life (and other DU) use assessment (Table 3.3.2-1). Considering the BMU results only, 1,606 miles (51 percent) are fully supporting aquatic life DUs (Table 3.3.1-6; Figures 3.3.2-1, 2, 3). There are 800 stream miles (25 percent) partially supporting the DU and about 743 miles (24 percent) not supporting. Since the waters partially and not supporting DUs require a TMDL and are listed on the 303(d) list, one might combine these two support level categories, yielding 1,543 stream miles (49 percent) not fully supporting the use. These support-level results are essentially equivalent to those last reported in the 2008 IR.

Targeted Monitoring: Fish Tissue. Fish tissue samples were analyzed for mercury, PCB, chlordane, DDT and toxaphene contamination in this BMU. Of the 354 stream miles assessed, 184 miles (52 percent) fully support the use, 101 miles (29 percent) partially support and 68 miles (19 percent) are not supporting (Table 3.3.1-6). Statistically, these results are the same compared to the last report that focused on this BMU, 2008 IR. Much of these stream miles are from historic (1980s) contamination of PCBs from inappropriate disposal and accidental pipeline rupture.

Targeted Monitoring: Primary (Swimming) Contact Recreation. Water column samples were collected and analyzed for *E. coli* and pH, both have numeric criteria for this DU. One thousand six hundred fifty-six (1,656) stream miles were assessed for this DU, of these 425 miles (26 percent) fully support the use. There were 338 miles (20 percent) partially supporting and 893 miles (54 percent) not supporting the use (Table 3.3.1-6). Compared to the 2008 IR, those results found 39 percent (526 miles) of assessed miles fully supported this use.

Targeted Monitoring: Secondary Contact Recreation. This DU is to protect the recreationalist that is not in full contact with the water, as one is when swimming. Criteria are developed using fecal coliform and pH to protect these recreational activities.

There were nearly 857 stream miles assessed for this DU, 495 stream miles (58 percent) fully support the use. Of the remaining 362 miles, 84 miles (10 percent) partially support and 277 miles (32 percent) were not supporting the DU (Table 3.3.1-6).

Targeted Monitoring: Domestic Water Supply. All 248 stream miles where this DU is utilized were fully supporting (Table 3.3.1-6). All assessed stream miles in the 2008 IR resulted in the same findings, 100 percent of miles fully supporting this DU.

Probability Biosurvey of the Green – Tradewater BMU. A probabilistic (statistical) biosurvey was completed on this BMU. The field sampling procedures for both macroinvertebrates [SOP - Sampling Benthic Macroinvertebrate Communities](#) and fishes [SOP - Collection Methods for Fish](#) (accessed September 2015) are described in these documents. As shown below in Table 3.3.2-2, of the 18,072 miles of defined stream resource miles, 11,477 stream miles were defined and representative of the sample population. Once the probabilistic data were analyzed, the extrapolated results indicated that 3,740 stream miles fully met the water quality standards and biological community criteria (Table 3.3.2-2; Figure 3.3.2-4). Those stream miles represent 33 percent of the aquatic resources for wadeable streams, generally Strahler Order 1 – 5. Three thousand two hundred seventy-six (3,276) stream miles were partially supporting aquatic life DU; whereas 4,460 stream miles were not supporting the DU.

The last probabilistic biosurvey monitoring occurred in the 2006 water-year and the results reported in the 2008 IR. Those monitoring results indicated 28 percent of wadeable stream miles were fully supporting, 72 percent of miles were not meeting the aquatic life DU. Figure 3.3.2-5 below, provides a comparison of the probabilistic results between the 2008 and 2011 water-year studies.

Table 3.3.2-2. Aquatic use attainment results based on the 2011 probability biosurvey of the Green – Tradewater basin management unit (all numbers rounded to nearest integer).

Project ID	Green – Tradewater BMU
Target Population	Stream Strahler Order 1 – 5
Sample Frame	National Rivers Stream Assessment (1:100,000 Scale) (EPA)
Type of Water body	Wadeable Streams
Size of Defined Stream Population	18,072 mi
Size of Non-Defined Population	1,115 mi
Size of Defined Sampled Population	11,477 mi
Designated Use Assessed	Aquatic Life
Attaining Full Use Support	3,740 mi
Not Attaining Full Use (partial support)	3,276 mi
Not Attaining Full Use (nonsupport)	4,460 mi
Indicator	Biology (Macroinvertebrates)
Assessment Date	2011
Precision	90% at 95% Confidence Level

Probabilistic biosurveys results are strongest when considered at a given point in time, in this case for the water-year of 2006 and 2011. The probabilistic program can discriminate on a large scale the prevailing pollutants occurring in the defined study area. Results from both the 2008 and current 305(b) cycles indicate sedimentation is the pollutant most frequently occurring in streams and watersheds not meeting the aquatic life DU (Table 3.3.2-1). Sediments usually have other associated pollutants with it due to the physical and chemical characteristics of soil. Nutrients are another leading pollutant (Table 3.3.2.1) in these impaired watersheds; they are often an associated pollutant in areas with high sediment runoff. This BMU demonstrates the relational effects when sediments are a major cause of habitat degradation. Nutrient enrichment is the next leading cause of impairment to waters of this BMU and pathogens (bacteria). While pathogens of warm-blooded animals do

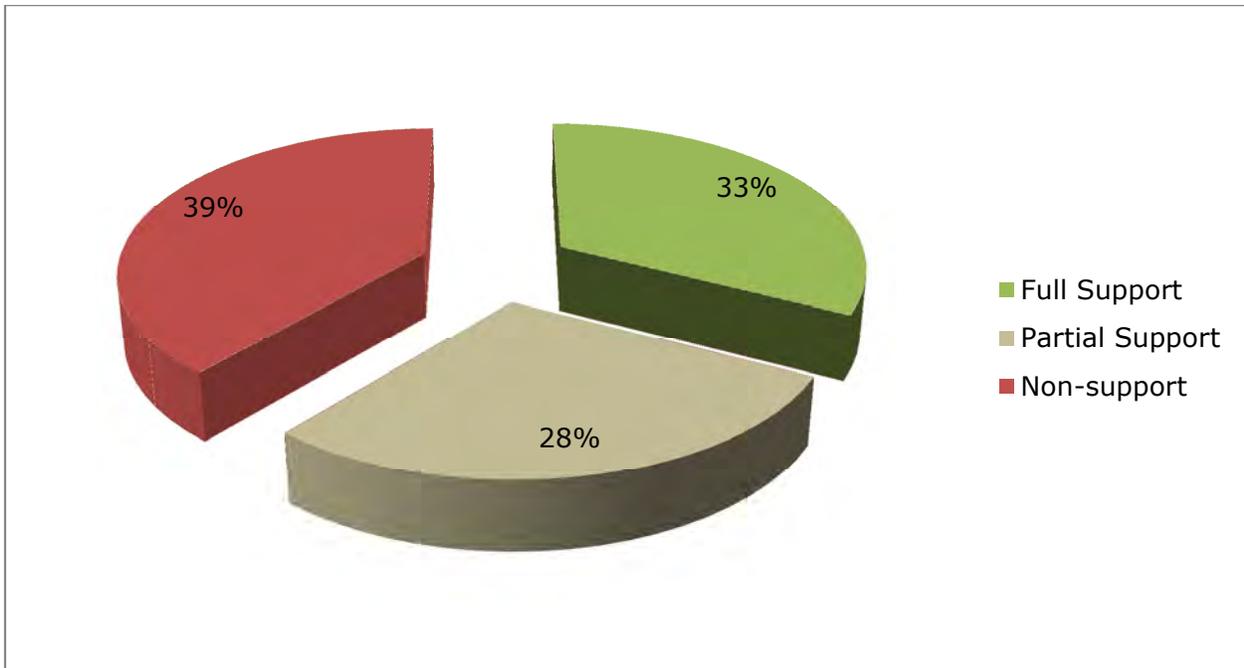


Figure 3.3.2-4. Proportions of aquatic life use support in the Green – Tradewater BMU based on probabilistic (statistical) biosurveys. Graph is of the representative stream population (Strahler Order 1 – 5) defined by the study.

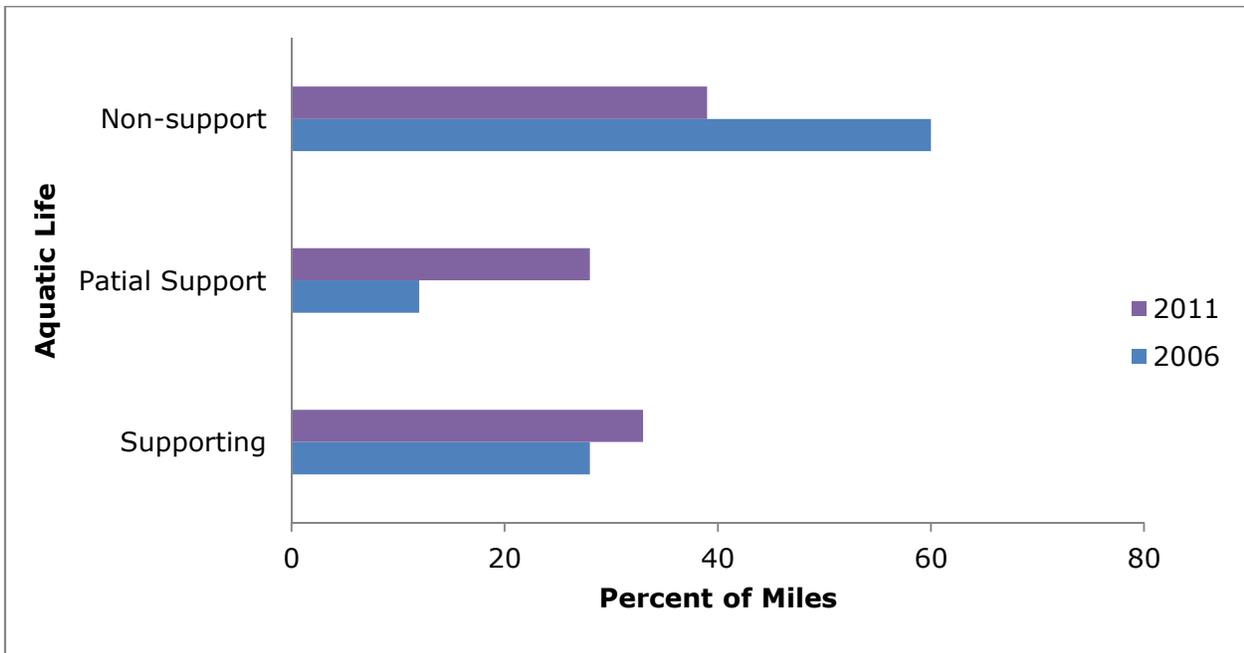


Figure 3.3.2-5. Comparative support level for aquatic life use support between probabilistic monitoring in the Green – Tradewater BMU for water years 2008 and 2011.

not cause aquatic life impairment, it is often exacerbated in watersheds with sediment runoff, affecting primary and secondary contact recreation.

Integrated Surface Water and Ground Water Assessment of Springs.

The initial project to assess these water bodies was started in 2006 with the Green – Tradewater BMU. The purpose of this project was to assess the nonpoint source (NPS) impacts to ground water, and to integrate ground water and surface water quality information with biological data to better define the nexus between the two systems. Ground water and surface water are conjunctive systems, no where more directly so than in karst terrain. This monitoring strategy provides needed information on spring conditions relative to NPS impacts to both the surfacewater and groundwater programs.

To assess surface water that had a direct nexus with ground water, site selection was made based on identifying large, well-developed karst basins where perennial surface streams are limited, and where large discrete springs discharge the drainage of these basins to surface waters. Other site selection criteria include accessibility and landowner cooperation. Additional considerations include whether these sites would provide new data, will support other programs (e. g. 305(b), TMDL, wellhead protection), and whether land use in the basins represents nonpoint source pollutants of concern.

Table 3.3.2-3 show the uses assessed in miles or acres statewide for springs for each use by support-level. The total spring run miles assessed in the Commonwealth are 11.50, 5.85 (51 percent) miles fully support the aquatic life use and 5.65 (49 percent) miles do not support the DU. PCR has been monitored and assessed on these water bodies. Of the 9.95 miles assessed, they are all not meeting that DU based on the pathogen indicator *E. coli*.

3.3.3 The Ohio River

The ORSANCO (Ohio River Valley Water Sanitation Commission) was formed by the member mainstem states, and tributary states of Virginia and New York; it was authorized by Congress in 1948. This agency is guided by the member states and monitors the water quality, develops standards, and is a first responder to

emergencies that threaten water quality on this vital national resource. While this agency carries out its mission for the entirety of the mainstem, this discussion focuses solely on the portion of the river on Kentucky’s northern border.

The NHD river miles corresponding to the Kentucky portion of the river begin at Boyd County, river mile 317.2 and extend down to Ballard County at river mile 981.3; thus flowing for 664.1 river miles. Data indicate aquatic life is fully supporting the DU except for most of the lower one-half from the McAlpin Lock and

Table 3.3.2-3. Individual designated use support summary (in miles) for springs in Kentucky, 2014.

Designated Use	Total in State	Total Assessed	Supporting Water Quality Standards	Not Supporting Water Quality Standards	Size of Resource Not Assessed
Warm Water Aquatic Habitat	11.50	11.50	5.85	5.65	0.00
Fish Consumption	11.50	0.00	0.00	0.00	11.50
Primary Contact Recreation	11.50	9.95	0.00	9.95	1.55
Secondary Contact Recreation	11.50	0.00	0.00	0.00	11.50
Domestic Water Supply	11.50	0.00	0.00	0.00	11.50

Dam in Jefferson County to Lock and Dam 52 in McCracken County (233.9 miles) (Table 3.3.3-1). The cause of partial support is iron concentrations in this portion of the river exceeding standard.

The fish community multimetric index (modified Ohio River Fish Index or mORFI_n) derived by ORSANCO and member states is utilized to measure the health of that community and, by extension, the overall health of the biological community as a whole. This index is similar to other multimetric fish indices that have been developed and considers the ecological characteristics of the community, relative

condition of the physical habitat, species diversity and composition. Multiple (13) indices are combined to calculate a single score used to determine the condition of that biological community relative to overall water quality. Additional information on the mORFI can be obtained from the ORSANCO website at:

<http://www.orsanco.org/>.

Table 3.3.3-1. Ohio River miles assessed and level of support by designated use.

	Fully Supporting	Partially Supporting	Non-supporting
Aquatic Life	430.2	233.9	0
Fish Consumption	0	664.1	0
PCR	292.0	265.1	107.0
SCR	0	0	0
Drinking Water	175.25	0	0

Of the remaining three DUs, the drinking water DU fully meets applicable assessment criteria in 175.2 miles (100 percent) where this use is implemented by water withdrawal. The miles of PCR partially or not supporting are 372.1 (56 percent); the SCR use is unassessed given that the primary standard is based on fecal coliform and is not routinely collected. The entire 664.1 miles are partially supporting the human health criteria for fish consumption. All river miles are listed for dioxins and PCB. There are current listed segments for methylmercury in fish tissue, but that pollutant is proposed for delisting based on current data results.

3.3.4 Assessment Results of Lakes and Reservoirs: Focus on the Green – Tradewater BMU

Since the initiation of the rotating basin approach in 1998, the Commonwealth’s significant publicly-owned lakes and reservoirs are monitored over a five year cycle instead of the previous seven to eight year cycle. During this two year reporting period, 42 lakes and reservoirs were assessed in the Green – Tradewater BMU of focus.

Designated uses in lakes consist of warm water aquatic habitat (WAH) (sometimes in conjunction with cold water aquatic habitat (CAH) in lakes with a two-story fishery) and primary and secondary contact recreation (PCR and SCR). Many

reservoirs also have an intake for domestic water supply (DWS) use where drinking water criteria are implemented. Indicators monitored or sampled for analysis to determine lake or reservoir health (water quality) may be found in Table 3.2.1-1. Assessment for fish consumption was made at lakes where fish tissue contaminant data exist.

3.3.4.1 Assessment of Trophic State and Use Support

Trophic state is assessed in lakes using the Carlson Trophic State Index (TSI) for chlorophyll *a*. Trophic state is a measure of the productivity of the water body and two primary components of this index are total phosphorus and chlorophyll *a*. This method is convenient because it allows numerical ranking of lakes according to increasing trophic state, and provides a distinction between oligotrophic, mesotrophic, eutrophic, and hypereutrophic lakes. Each of those descriptive categories can be thought of in terms of increasing productivity of a water body. For example, oligotrophic conditions occur in water bodies low in nutrients (low productivity), contain clear, transparent water, ample dissolved oxygen throughout the lake habitats, good water quality and many species of fishes. Mesotrophic lakes have an intermediate level of productivity, water is generally clear and the lake has submerged aquatic plants, dissolved oxygen is typically good or adequate in habitable zones. Eutrophic lakes have high biological productivity, often low water column visibility, periodic algal blooms and support large numbers (but few species) of fishes, plants and other organisms; the deep portions of these lakes have inadequate dissolved oxygen. The water column clarity of eutrophic lakes may be green (algae dominated lakes) or clear (macrophyte dominated lakes). The hypereutrophic lakes are extremely nutrient-rich with severe algal blooms and low water clarity due to the chlorophyll concentration; the deeper water in these lakes are usually anoxic (without oxygen). Lake and reservoir productivity, or trophic state, can be a reflection of the natural conditions of the water body (and may exhibit natural succession over significant time), or may accelerate at unnatural rates (years to a few decades) through human activities. Thus, a lake may be located in a geologic region where fertility of soils and rocks are naturally high resulting in nutrient enrichment of the water body, or in areas of low nutrient-rich

soils and rocks resulting in oligotrophic conditions. With time, an oligotrophic lake can become hypereutrophic if there is residential fertilizer runoff, agricultural runoff and sewage discharge.

The growing season (April – October) average TSI value is used to rank each lake by trophic state; trends in lake trophic state are tracked and reported herein. Large lakes that exhibit intra-trophic gradients or embayment differences often are analyzed separately.

3.3.4.2 Results

Statewide. Tables follow that present statewide summaries of use support, impairments (causes) and sources of impairments for reservoirs, ponds and lakes. The water quality assessment of lakes includes about 99 percent of the publicly-owned surfacewater acres of this waterbody type (Tables 3.3.4.2-1 – 3). Eighty-one (81) of 123 lakes, ponds and reservoirs (66 percent) fully support their uses, and 42 (34 percent) do not support one or more uses. On a total assessed acreage basis for aquatic life use, approximately 96 percent (212,202 acres) of the 220,333 acres fully support one or more of the aquatic life uses, and approximately four (4) percent (8,131 acres) do not support one or more assessed DUs (Table 3.3.4.2-1 – 3).

This compares to 87 of 127 lakes fully supporting one or more assessed DUs, or 69 percent, reported in the 2012 IR. On an aquatic life use basis, assessed acreage results indicate of 220,355 acres assessed, 212,012 acres (96 percent) fully support one or more aquatic life assessed DU, although the total assessed acreage declined 22 acres for the 2014 reporting cycle.

The list of causes (pollutants) for reservoirs and lakes is presented in Tables 3.3.4.2-4 – 6. Levels of methylmercury (including mercury in fish tissue) exceeding the human health standard in fish tissue was the most frequently identified pollutant, affecting 84,872 acres of reservoirs, lakes and ponds (Tables 3.3.4.4 – 6). The number of acres impaired due to mercury in fish tissue increased by 136 acres (<0.2 percent) compared to the 2012 reporting cycle. The pollutant PCBs in fish tissue is the number three pollutant of greatest concern on an acreage basis, affecting 9,353 acres (Table 3.3.4.2-4). A fish consumption advisory for PCBs is in place for two reservoirs of considerable size (Fishtrap and Green River lakes), resulting in a high

percentage of lake (reservoir) acres impacted by toxic pollutants (Table 3.3.4.2-4). “Nutrients/eutrophication biological indicators” and “dissolved oxygen” were the fourth and fifth most frequent impairments affecting 7,912 and 4,419 acres, respectively. The next three pollutants impact a total of 7,152 surface acres throughout the state. The “pollutant organic enrichment (sewage) biological indicators” impacts water quality on 3,248 acres and is closely related to the fourth most common pollutant, “nutrients/eutrophication biological indicators.” Given methylmercury (in fish tissue) and “mercury in Fish Tissue” should reasonably be combined, that makes nutrient related causes of impairment the second most common pollutant, affecting 11,160 acres. Nutrient pollutants often have an indirect impact on available dissolved oxygen in aquatic environments, and this is particularly manifest in standing waters or waters of long retention time, such as lakes and reservoirs. It is this relationship that results in dissolved oxygen depletion and closely tracks, but lags behind the plant nutrient-enrichment of these water bodies. Related to the low dissolved oxygen problem was the pollution-indicator, dissolved gas super-saturation, which often occurs in eutrophic conditions during daylight hours as photosynthesis from excess algae produces the diurnal swing to high dissolved oxygen saturation. These two oxygen/gas causes affect 4,537 acres, about 41 percent of the nutrient impacted acres.

Table 3.3.4.2-1. Individual designated use support summary (in acres) for Kentucky reservoirs.

Use	Total Size	Size Assessed	Size Fully Supporting	Size Fully Supporting, Threatened	Size Not Supporting	Size Not Assessed
Warm Water Aquatic Habitat	219,205.55	217,485.40	209,426.40	0	8,059.00	1,720.15
Cold Water Aquatic Habitat	2,302	2,302	2,302	0	0	0
Fish Consumption ¹	219,205.55	205,578.70	121,132.60	0	84,446.10	13,626.85
Primary Contact Recreation	219,205.55	62,763.00	62,640.00	0	123.00	156,442.55

Secondary Contact Recreation	219,205.55	215,440.00	213,250.00	0	2,190	3,765.55
Domestic Water Supply	195,907.85	181,355.45	181,225.45	0	130.00	14,552.40

¹Not a designated use in Kentucky water quality standards, but implied in 401 KAR 10:031

Table 3.3.4.2-2. Individual use support summary for Kentucky lakes.

Use	Total Size	Size Assessed	Size Fully Supporting	Size Fully Supporting, Threatened	Size Not Supporting	Size Not Assessed
Warm Water Aquatic Habitat	317.00	317.00	281.00	0	36.00	0.00
Outstanding State Resource Water	229.00	229.00	193.00	0	36.00	0.00
Fish Consumption	317.00	63.00	36.00	0	27.00	254.00
Primary Contact Recreation	317.00	0.00	0.00	0	0.00	317.00
Secondary Contact Recreation	317.00	317.00	317.00	0	0	0.00

Table 3.3.4.2-3. Individual use support summary for Kentucky ponds.

Use	Total Size	Size Assessed	Size Fully Supporting	Size Fully Supporting but Threatened	Size Not Supporting	Size Not Assessed
Warm Water Aquatic Habitat	4.80	0.00	0.00	0	0.00	4.80
Fish Consumption	4.80	4.80	3.30	0	1.50	0.00
Primary Contact Recreation Water	4.80	0.00	0.00	0	0.00	4.80
Secondary Contact Recreation Water	4.80	0.00	0.00	0	0	4.80

Table 3.3.4.2-4. Number of acres of Kentucky reservoirs, lakes and ponds affected by individual causes (pollutants).

<u>Cause</u>	<u>Total Size</u>
1. Methylmercury	63,284.50
2. Mercury in Fish Tissue	21,559.10
3. PCB in Fish Tissue	9,353.00
4. Nutrient/Eutrophication Biological Indicators	7,875.95
5. Dissolved Oxygen	4,383.00
6. Organic Enrichment (Sewage) Biological Indicators	3,248.00
7. Total Suspended Solids (TSS)	1,100.00
8. Chlorophyll-a	517.00
9. Aquatic plants (macrophytes) ¹	423.00
10. Sedimentation/Siltation	338.00
11. Dissolved Oxygen Saturation ¹	154.00
12. pH	123.00

¹This is pollution, not a pollutant; as such an indicator of pollutants.

Table 3.3.4.2-5. Number of acres of Kentucky lakes (natural) affected by causes.

<u>Cause</u>	<u>Total Size</u>
Dissolved Oxygen	36
Nutrient/Eutrophication Biological Indicators	36
Mercury in fish tissue	27

Table 3.3.4.2-6. Number of acres of Kentucky ponds affected by cause.

<u>Cause</u>	<u>Total Size</u>
Methylmercury	1.5

A naturally shallow lake or reservoir basin, or those that have excessive sedimentation resulting in shallow basins, often provide suitable habitat for the proliferation of nuisance aquatic plants that impair secondary contact recreation and account for the fifth highest (7,912 acres) cause of use nonsupport. The pollutants sedimentation/siltation and TSS (total suspended solids) are associated with 1,438 acres not supporting either aquatic life or secondary contact recreation.

To further illustrate the relatedness of pollutants, natural occurrence of manganese may be released from anoxic hypolimnetic water (deepest water-layer in stratified reservoirs and lakes) affecting drinking water supply. Nutrients (resulting in high production of aquatic macrophytes and algae) in runoff will build-up in the

lake sediments; under resulting low dissolved oxygen conditions the nutrients are recycled creating a compounding adverse affect on beneficial uses of the water body.

Likely sources of these pollutants are identified in Tables 3.3.4.2-7 – 9. Given mercury is associated with the greatest number of lake-acres this pollutant resulted in “atmospheric deposition – toxics” as the leading source of pollutants for Kentucky’s lakes and reservoirs (50,250 acres). The second most commonly identified source of pollutants is “source unknown” associated with 33,540 acres. The frequency of “source unknown” is primarily related to mercury, too. This pollutant enters aquatic environments from multiple pathways and relating a source is often difficult in areas where there is a good possibility for localized discharges. Industrial point source discharges became the third most common source of lake pollutants, followed by municipal point source discharges, and fifth, upstream source.

Agriculture sources and related subcategories accounted for 10,994 acres (Tables 3.3.4.2-7 and 8). These agriculture and related sources were down from 11,134 acres in the 2012 IR; a decline of 140 acres. The decline is even greater compared with the 2010 IR were 23,823 acres, a decline of 46 percent (12,829 acres). Municipal point sources, agricultural-related sources and septic systems, were the most commonly identified sources related to nutrient impairments (Tables 3.3.4.2-7 and 8). The source, “upstream sources,” is the fifth most frequently reported source and is associated with inflow issues in watersheds.

Trophic state index (TSI) was determined for those acres of reservoirs and lakes for the five possible categories of TSI (Tables 3.3.4.2-10 and 11). A distinction between lakes (natural water bodies) and reservoirs (manmade lakes or impoundments) is made for these results.

Green – Tradewater BMU. Trophic state index was calculated for all lakes and reservoirs that included monitoring for aquatic life use. Aquatic life use is routinely monitored at all reservoirs that are part of the clean lakes program. Many water bodies that are a domestic water supply for communities have restricted access that inhibits monitoring for aquatic life use due to resulting limitations on available *in situ* information.

Table 3.3.4.2-7. Sources of causes (pollutants and pollution) to Kentucky reservoirs.

Source	Total Size
Atmospheric deposition – toxics	50,250
Source unknown	33,511
Industrial point source discharge	8,210
Municipal point source discharges	6,129
Upstream source	5,405
Agriculture	4,281
On-site treatment systems (septic systems and similar decentralized systems)	3,391
Livestock (grazing or feeding operations)	3,356
Non-irrigated crop production	3,184
Internal nutrient recycling	3,161
Surface mining	1,100
Natural sources	550
Littoral/shore area modifications (non-riverine)	423
Unspecified urban stormwater	170
Non-point source	169
Changes in ordinary stratification and bottom water hypoxia/anoxia	148
Crop production (crop land or dry land)	137
Golf courses	78
Shallow lake/reservoir	75
Rural (residential areas)	69
Residential districts	21
Contaminated sediments	18

Table 3.3.4.2-8. Sources of causes (pollutants) to Kentucky lakes (natural).

Source	Total Size
Internal Nutrient Recycling	36.00
Non-irrigated crop production	36.00
Rural (residential areas)	36.00
Shallow Lake/Reservoir	36.00
Source Unknown	27.00

Table 3.3.4.2-9. Source of causes (pollutants) to Kentucky ponds.

Source	Total Size
Source Unknown	1.5

Table 3.3.4.2-10. Trophic state of reservoirs in Kentucky.

Trophic State	Number of Reservoirs	Total Size
Oligotrophic	13	59,564.40
Mesotrophic	53	80,042.00
Eutrophic	26	74,916.00
Hypereutrophic	1	3,050.00
Dystrophic	0	0.00

Table 3.3.4.2-11. Trophic state of lakes in Kentucky.

Trophic Status	Number of Lakes	Total Size
Oligotrophic	0	0.00
Mesotrophic	0	0.00
Eutrophic	4	317.00
Hypereutrophic	0	0.00
Dystrophic	0	0.00

Of the 21 monitored and assessed reservoirs in the Green River basin show improving TSI trends, five (24 percent) have improving TSIs trends, nine (43 percent) are stable, three (14 percent) are degrading and four (19 percent) are unknown due to limited seasonal data (Table 3.3.4.2-12). Four of the five reservoirs with improving TSIs are eutrophic and one (Rough River Reservoir) is mesotrophic. Two of the reservoirs with improving TSI trends are large, USACE managed water bodies, Barren River Lake (10,000 acres) and Rough River Reservoir (5,100 acres). Given there have been recent HAB blooms on these two reservoirs, this is a positive trend and efforts should be enhanced to take advantage of this finding. One other USACE managed reservoir in this group is Nolin River, eutrophic, but the TSI trend is stable. Of the three degrading reservoirs, Lake Liberty (mesotrophic) and Briggs Lake are mesotrophic and Spurlington Lake is eutropic (Tables 3.3.4.2-12 and 13). These are small reservoirs under 100 acres; only Lake Liberty is a source for DWS.

Overall, these are positive results, with trends comparing favorably to the last BMU cycle results that were reported in the 2008 IR. Those findings showed that of the 20 reservoirs supporting DU, six (30 percent) were improving and nine (45 percent) were degrading; whereas, the 2014 cycle indicates a 67 percent of 21 reservoirs with an improving or stable TSI trends. With nearly one-quarter of these

water bodies improving, comparative results and observations of the next intervening period of years will be of great interest when they are anticipated to be reported on again in the 2020 IR.

The remaining nine reservoirs less than fully supporting are all in the partial support category (Table 3.3.4.2-13). The five water bodies impacted by nutrient enrichment or related causes have stable or improving TSI. Of note, three of the partially supporting reservoirs are not due to aquatic life impairment, but contaminants in fish tissue. Of those three, Rough River has a mesotrophic trophic state and the TSI trend indicates overall improving water quality.

The Tradewater River basin consists of six monitored and assessed reservoirs and all fully support the assessed uses (Table 3.3.4.2.-14). These are small reservoirs, the largest being 819-acre Lake Beshear in Caldwell County and 360-acre Lake Peewee in Hopkins County. Four of these six water bodies are DWS sources and, therefore, critical resources to local communities. All reservoir data indicated the known TSI trends were either stable or improving. Four (67 percent) of the six water bodies were stable, one (17 percent) was improving and one (17 percent) was unknown due to incomplete seasonal data. All are either mesotrophic or eutrophic, but one, Providence City Reservoir, that is oligotrophic.

Table 3.3.4.2-12. Green River basin reservoirs that fully support the listed assessed uses.

Reservoir	Acres	County	Trophic State	Eutrophication Trend	Uses
Barren River Lake	10000	Barren	Eutrophic	Improving	FC, SCR, WAH
Briggs Lake	19	Logan	Eutrophic	Degrading	SCR, WAH
Campbellsville City Reservoir	63	Taylor	Eutrophic	Stable	DWS, WAH
County Lake	22	Metcalfe	Eutrophic	Stable	SCR, WAH
Freeman Lake	162	Hardin	Eutrophic	Stable	DWS, SCR, WAH
Grapevine Lake	50	Hopkins	Mesotrophic	Stable	SCR, WAH
Green River Reservoir	8210	Taylor	Eutrophic	Stable	DWS, SCR, WAH
Lake Liberty	79	Casey	Mesotrophic	Degrading	DWS, SCR, WAH
Lake Malone	814	Muhlenberg	Eutrophic	Stable	SCR, WAH
Lake Washburn	25	Ohio	Eutrophic	Improving	SCR
Luzerne Lake	55	Muhlenberg	Mesotrophic	Unknown	WAH
Mill Creek Lake	95	Monroe	Eutrophic	Improving	DWS, SCR, WAH
Nolin River Reservoir	5790	Edmonson	Eutrophic	Stable	DWS, FC, PCR, SCR, WAH
Nortonville Lake	27.4	Hopkins	Unknown	Unknown	FC
Rough River Reservoir	5100	Grayson	Mesotrophic	Improving	DWS, PCR, SCR, WAH
Salem Lake	99	Larue	Eutrophic	Improving	SCR, WAH
Shanty Hollow Lake	135	Warren	Eutrophic	Stable	SCR, WAH
Spa Lake	200	Logan	Eutrophic	Stable	WAH
West Fork Drakes Creek Reservoir	67	Simpson	Unknown	Unknown	DWS

Table 3.3.4.2-13. Green River basin reservoirs that partially support the listed assessed uses.

Lake/Reservoir	Acres	County	Trophic State	Trend	Impaired Use	Cause (pollutant)	Source
Campbellsville City Reservoir	63	Taylor	Eutrophic	Stable	SCR	Sedimentation/Siltation	Upstream Source
Caneyville City Reservoir	75	Grayson	Eutrophic	Unknown	DWS, SCR	Nutrient/Eutrophication Biological Indicators, Sedimentation/Siltation	Natural Sources, Shallow Lake/Reservoir
Green River Reservoir	8210	Taylor	Eutrophic	Stable	FC	Mercury in Fish Tissue, PCB in Fish Tissue	Industrial Point Source Discharge, Source Unknown
Lake Malone	814	Muhlenberg	Eutrophic	Stable	FC	Mercury in Fish Tissue	Source Unknown
Lake Washburn	25	Ohio	Eutrophic	Improving	WAH	Oxygen, Dissolved	Source Unknown
Luzerne Lake	55	Muhlenberg	Mesotrophic	Unknown	DWS	Nutrient/Eutrophication Biological Indicators	Source Unknown
Rough River Reservoir	5100	Grayson	Mesotrophic	Improving	FC	Mercury in Fish Tissue	Source Unknown
Spa Lake	200	Logan	Eutrophic	Stable	SCR	Chlorophyll-a, Sedimentation/Siltation	Agriculture, Natural Sources
Spurlington Lake (Sportsman Club Lake)	33	Taylor	Eutrophic	Degrading	PCR, SCR, WAH	pH	Source Unknown

Table 3.3.4.2-14. Tradewater River basin reservoirs that fully support assessed uses.

Reservoir/Lake	Acres	County	Trophic State	Eutrophication Trend	Uses
Lake Beshear	819	Caldwell	Eutrophic	Stable	DWS, FC, SCR, WAH
Lake Peewee	360	Hopkins	Eutrophic	Improving	DWS, SCR, WAH
Loch Mary	135	Hopkins	Mesotrophic	Stable	DWS, SCR, WAH
Moffit Lake	49	Union	Eutrophic	Stable	SCR, WAH
Pennyrile Lake	48	Christian	Mesotrophic	Stable	SCR, WAH
Providence City Reservoir	36	Webster	Oligotrophic	Unknown	DWS, SCR, WAH

The Ohio River minor tributaries portion of this BMU is small, consisting of three 8-Digit HUCs in northwest Kentucky. There are five small reservoirs, ranging in size from 18 acres to 84 acres. Of those, two (40 percent) fully meet assessed DU (Table 3.3.4.2-15) and three (60 percent) partially support one or more DU (Table 3.3.4.2-16). One reservoir showed improving TSI trend, two were stable, one was degrading; for one the trend is unknown due to lack of complete seasonal dataset.

Table 3.3.4.2-15. Minor Tributaries of the Ohio River in the Green and Tradewater basin reservoirs that fully support assessed uses.

Reservoir/Lake	Acres	County	Trophic State	Eutrophication Trend	Uses
Cap Mauzy Lake	84	Union	Eutrophic	Stable	SCR, WAH
City Lake	36	Crittenden	Eutrophic	Improving	DWS, SCR, WAH

Table 3.3.4.2-16. Minor tributaries of the Ohio River basin in the Green – Trade-water BMU, partially supporting one or more designated uses.

Reservoir	Acres	County	Trophic State	Trophic Trend	Use Impaired	Cause of Impairment	Source of Impairment
Carpenter Lake	69	Daviess	Eutrophic	Stable	WAH	Dissolved oxygen saturation, Nutrient/Eutrophication Biological Indicators, Oxygen, Dissolved, pH	Agriculture Rural (Residential Areas)
Kingfisher Lakes	21	Daviess	Eutrophic	Degrading	PCR, SCR, WAH	Dissolved oxygen saturation, Organic Enrichment (Sewage) Biological Indicators, pH	Non-Point Source, Residential Districts, Source Unknown
Scenic Lake	18	Hender-son	Eutrophic	Unknown	WAH	Nutrient/Eutrophication Biological Indicators	Contaminated Sediments, Internal Nutrient Recycling

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Appendix A

**305(b) STATEWIDE ASSESSMENT RESULTS FOR
KENTUCKY THROUGH 2014 305(B) CYCLE**

Waterbody & Segment	Basin	8-Digit HUC	County	WAH/CAH	PCR	SCR	FC	DWS	OSRW	Assessment Date	Designated Uses
Abbott Creek 0 to 3.2	Big Sandy River	05070203	FLOYD	5-NS	3	3	3	3	3	1/26/2009	WAH, FC, PCR, SCR
Arkansas Creek 0 to 3.6	Big Sandy River	05070203	FLOYD	5-NS	4A-NS	3	3	3	3	12/15/2009	WAH, FC, PCR, SCR
Arnold Fork 0 to 2.6	Big Sandy River	05070203	KNOTT	5-NS	3	3	3	3	3	12/15/2009	WAH, FC, PCR, SCR
Banjo Branch 0 to 1.5	Big Sandy River	05070203	JOHNSON	5-PS	3	3	3	3	3	1/26/2009	WAH, FC, PCR, SCR
Barnetts Creek 0 to 1.6	Big Sandy River	05070203	JOHNSON	5-PS	3	3	3	3	3	1/26/2009	WAH, FC, PCR, SCR
Bear Creek 0 to 2.0	Big Sandy River	05070204	LAWRENCE	2-FS	5-NS	3	3	3	3	1/20/2004	WAH, FC, PCR, SCR
Beaver Creek 0 to 7.1	Big Sandy River	05070203	FLOYD	5-NS	4A-NS	3	3	3	3	12/15/2009	WAH, FC, PCR, SCR
Bent Branch 0 to 0.8	Big Sandy River	05070203	PIKE	3	5-NS	3	3	3	3	1/26/2009	WAH, FC, PCR, SCR
Big Branch 0 to 2.7	Big Sandy River	05070201	PIKE	2-FS	3	3	3	3	3	10/17/2007	WAH, FC, PCR, SCR
Big Creek 0 to 1.9	Big Sandy River	05070201	PIKE	2-FS	5-NS	3	3	3	3	1/26/2009	WAH, FC, PCR, SCR
Big Creek 10.6 to 15.1	Big Sandy River	05070201	PIKE	5-PS	3	3	3	3	3	11/12/2008	WAH, FC, PCR, SCR
Big Creek 7.3 to 10.6	Big Sandy River	05070201	PIKE	5-PS	3	3	3	3	3	1/27/2009	WAH, FC, PCR, SCR
Big Mine Creek 5.8 to 8.4	Big Sandy River	05070203	MAGOFFIN	5-PS	3	3	3	3	3	11/10/2003	WAH, FC, PCR, SCR
Big Mine Fork 1.4 to 4.2	Big Sandy River	05070203	MAGOFFIN	5-PS	5-PS	5-PS	3	3	3	1/27/2004	WAH, FC, PCR, SCR
Big Sandy River 0 to 27.1	Big Sandy River	05070204	BOYD	5-NS	2-FS	3	2-FS	3	3	1/29/2009	WAH, FC, PCR, SCR, DWS
Bill D Branch 0 to 1.1	Big Sandy River	05070203	KNOTT	5-NS	3	3	3	3	3	12/15/2009	WAH, FC, PCR, SCR
Bill D Branch 1.1 to 2.9	Big Sandy River	05070203	KNOTT	5-NS	3	3	3	3	3	12/15/2009	WAH, FC, PCR, SCR
Blackberry Creek 1.2 to 5.9	Big Sandy River	05070201	PIKE	2-FS	3	3	3	3	3	7/30/2004	WAH, FC, PCR, SCR
Blaine Creek 35.0 to 39.8	Big Sandy River	05070204	LAWRENCE	5-NS	5-NS	3	3	3	3	1/30/2009	WAH, FC, PCR, SCR

Waterbody & Segment	Basin	8-Digit HUC	County	WAH/CAH	PCR	SCR	FC	DWS	OSRW	Assessment Date	Designated Uses
Blaine Creek 40.9 to 45.3	Big Sandy River	05070204	LAWRENCE	5-PS	5-NS	5-NS	3	3	3	1/30/2009	WAH, FC, PCR, SCR
Blaine Creek 8.2 to 17.6	Big Sandy River	05070204	LAWRENCE	5-NS	2-FS	3	3	3	3	1/29/2009	WAH, FC, PCR, SCR
Brushy Fork 0 to 10.0	Big Sandy River	05070203	PIKE	5-PS	3	3	3	3	3	1/30/2009	WAH, FC, PCR, SCR
Buck Branch 0 to 2.8	Big Sandy River	05070203	FLOYD	5-NS	4A-NS	3	3	3	3	12/15/2009	WAH, FC, PCR, SCR
Buffalo Creek 0 to 1.5	Big Sandy River	05070203	JOHNSON	5-NS	5-NS	3	3	3	3	1/30/2009	WAH, FC, PCR, SCR
Buffalo Creek 0 to 1.8	Big Sandy River	05070203	FLOYD	5-NS	3	3	3	3	3	7/30/2004	WAH, FC, PCR, SCR
Caleb Fork 0 to 1.2	Big Sandy River	05070203	FLOYD	5-NS	4A-NS	3	3	3	3	12/15/2009	WAH, FC, PCR, SCR
Caney Creek 0 to 1.5	Big Sandy River	05070202	PIKE	5-NS	5-NS	3	3	3	3	1/30/2009	WAH, FC, PCR, SCR
Caney Fork 0 to 7.5	Big Sandy River	05070203	KNOTT	5-NS	4A-NS	3	3	3	3	12/17/2009	WAH, FC, PCR, SCR
Caney Fork 7.5 to 11.3	Big Sandy River	05070203	KNOTT	5-NS	3	3	3	3	3	12/17/2009	WAH, FC, PCR, SCR
Cat Fork 0 to 2.85	Big Sandy River	05070204	LAWRENCE	2-FS	3	3	3	3	3	1/30/2009	WAH, FC, PCR, SCR
Cat Fork 2.85 to 7.0	Big Sandy River	05070204	LAWRENCE	2-FS	3	3	3	3	3	1/30/2009	WAH, FC, PCR, SCR
Clear Creek 0 to 4.9	Big Sandy River	05070203	FLOYD	5-NS	5-NS	3	3	3	3	12/17/2009	WAH, FC, PCR, SCR
Coldwater Fork 2.1 to 5.3	Big Sandy River	05070201	MARTIN	5-PS	3	3	3	3	3	11/17/2003	WAH, FC, PCR, SCR
Coldwater Fork 5.3 to 8.7	Big Sandy River	05070201	MARTIN	2-FS	3	3	3	3	3	10/10/2006	WAH, FC, PCR, SCR
Curtis Crum Reservoir	Big Sandy River	05070201	MARTIN	3	3	3	3	2-FS	3	2/20/2009	WAH, FC, PCR, SCR, DWS
Daniels Branch 0 to 0.4	Big Sandy River	05070201	PIKE	2-FS	3	3	3	3	3	10/15/2007	WAH, FC, PCR, SCR
Dewey Lake	Big Sandy River	05070203	FLOYD	2-FS	3	5-PS	3	3	3	5/24/2008	WAH, FC, PCR, SCR
Dry Creek 0 to 4.0	Big Sandy River	05070203	KNOTT	5-PS	3	3	3	3	3	12/17/2009	WAH, FC, PCR, SCR

Waterbody & Segment	Basin	8-Digit HUC	County	WAH/CAH	PCR	SCR	FC	DWS	OSRW	Assessment Date	Designated Uses
Elkhorn Creek 0 to 10.7	Big Sandy River	05070202	PIKE	5-PS	5-NS	3	3	3	3	2/2/2009	WAH, FC, PCR, SCR
Elkhorn Creek 10.8 to 17.5	Big Sandy River	05070202	PIKE	3	3	3	2-FS	3	3	2/20/2009	WAH, FC, PCR, SCR
Elkhorn Lake	Big Sandy River	05070202	LETCHER	3	3	3	3	2-FS	3	2/19/2009	WAH, FC, PCR, SCR, DWS
Fishtrap Reservoir	Big Sandy River	05070202	PIKE	2-FS	3	2-FS	5-PS	3	3	5/29/2008 - 4/12/2010	WAH, FC, PCR, SCR
Frasure Creek 0 to 5.2	Big Sandy River	05070203	FLOYD	5-PS	4A-NS	3	3	3	3	12/17/2009	WAH, FC, PCR, SCR
Georges Creek 0 to 2.9	Big Sandy River	05070203	LAWRENCE	5-PS	3	3	3	3	3	2/2/2009	WAH, FC, PCR, SCR
Georges Creek 2.9 to 6.5	Big Sandy River	05070203	LAWRENCE	2-FS	3	3	3	3	3	2/2/2009	WAH, FC, PCR, SCR
Goose Creek 0 to 2.2	Big Sandy River	05070203	FLOYD	5-NS	3	3	3	3	3	12/17/2009	WAH, FC, PCR, SCR
Greasy Creek 0 to 4.7	Big Sandy River	05070203	JOHNSON	5-PS	3	3	3	3	3	2/2/2009	WAH, FC, PCR, SCR
Griffin Creek 0 to 2.5	Big Sandy River	05070203	LAWRENCE	2-FS	3	3	3	3	3	7/30/2004	WAH, FC, PCR, SCR
Hall Fork 0 to 2.0	Big Sandy River	05070203	BOYLE	5-NS	2-FS	3	3	3	3	12/17/2009	WAH, FC, PCR, SCR
Harmond Branch 0 to 0.9	Big Sandy River	05070203	PIKE	3	5-NS	5-NS	3	3	3	2/2/2009	WAH, FC, PCR, SCR
Harriett Branch 0.6 to 2.3	Big Sandy River	05070204	LAWRENCE	5-PS	3	3	3	3	3	2/2/2009	WAH, FC, PCR, SCR
Hobbs Fork 0 to 3.9	Big Sandy River	05070201	MARTIN	2-FS	3	3	3	3	3	2/2/2009	WAH, FC, PCR, SCR, DWS
Hood Creek 0 to 3.6	Big Sandy River	05070204	LAWRENCE	5-PS	3	3	3	3	3	1/27/2004	WAH, FC, PCR, SCR
Hood Creek 3.6 to 5.4	Big Sandy River	05070204	LAWRENCE	2-FS	3	3	3	3	3	11/21/2003	WAH, FC, PCR, SCR
Hurricane Creek 1.0 to 3.4	Big Sandy River	05070203	PIKE	5-NS	5-NS	3	3	3	3	2/2/2009	WAH, FC, PCR, SCR
Ice Dam Creek 0 to 0.4	Big Sandy River	05070204	BOYD	5-NS	3	3	3	3	3	12/10/2003	WAH, FC, PCR, SCR
Ice Dam Creek 0.4 to 2.7	Big Sandy River	05070204	BOYD	5-NS	3	3	3	3	3	12/10/2003	WAH, FC, PCR, SCR

Waterbody & Segment	Basin	8-Digit HUC	County	WAH/CAH	PCR	SCR	FC	DWS	OSRW	Assessment Date	Designated Uses
Indian Creek 0 to 3.5	Big Sandy River	05070202	PIKE	5-PS	3	3	3	3	3	2/2/2009	WAH, FC, PCR, SCR
Island Creek 0 to 1.7	Big Sandy River	05070203	PIKE	5-PS	3	3	3	3	3	11/20/2003	WAH, FC, PCR, SCR
Jacks Creek 0 to 4.4	Big Sandy River	05070203	FLOYD	5-NS	4A-NS	3	3	3	3	12/17/2009	WAH, FC, PCR, SCR
Jenny's Creek 0 to 3.1	Big Sandy River	05070203	JOHNSON	5-PS	3	3	3	3	3	2/3/2009	WAH, FC, PCR, SCR
Jennys Creek 5.3 to 10.8	Big Sandy River	05070203	JOHNSON	5-NS	3	3	3	3	3	9/5/2003	WAH, FC, PCR, SCR
Johns Branch 0 to 1.6	Big Sandy River	05070203	FLOYD	5-NS	3	3	3	3	3	12/17/2009	WAH, FC, PCR, SCR
Johns Creek 0 to 5.8	Big Sandy River	05070203	JOHNSON	5-PS	2-FS	3	3	3	3	2/3/2009	WAH, FC, PCR, SCR
Johns Creek 24.0 to 30.65	Big Sandy River	05070203	PIKE	5-PS	5-NS	3	2-FS	3	3	1/21/2004 - 2/3/2009	WAH, FC, PCR, SCR
Johns Creek 34.4 to 42.5	Big Sandy River	05070203	PIKE	5-NS	3	3	3	3	3	11/20/2003	WAH, FC, PCR, SCR
Johnson Branch 0 to 0.9	Big Sandy River	05070202	PIKE	2-FS	3	3	3	3	3	10/27/2003	WAH, FC, PCR, SCR
Jones Fork 0 to 9.9	Big Sandy River	05070203	KNOTT	5-NS	4A-NS	3	3	3	3	12/17/2009	WAH, FC, PCR, SCR
Keaton Fork 0 to 5.1	Big Sandy River	05070204	JOHNSON	5-NS	3	3	3	3	3	2/3/2009	WAH, FC, PCR, SCR
Knox Creek 0 to 8.0	Big Sandy River	05070201	PIKE	5-PS	5-PS	3	5-NS	3	3	2/3/2009 - 4/12/2010	WAH, FC, PCR, SCR
Left Fork Beaver Creek 0 to 11.4	Big Sandy River	05070203	FLOYD	5-PS	4A-NS	3	3	3	3	12/17/2009	WAH, FC, PCR, SCR
Left Fork Beaver Creek 11.4 to 13.55	Big Sandy River	05070203	FLOYD	5-NS	4A-NS	3	3	3	3	2/8/2010	WAH, FC, PCR, SCR
Left Fork Beaver Creek 13.55 to 18.7	Big Sandy River	05070203	FLOYD	5-NS	2-FS	3	3	3	3	12/17/2009	WAH, FC, PCR, SCR
Left Fork Beaver Creek 18.7 to 28.6	Big Sandy River	05070203	FLOYD	5-NS	4A-NS	3	3	3	3	12/17/2009	WAH, FC, PCR, SCR
Left Fork Blaine Creek 0 to 2.1	Big Sandy River	05070204	LAWRENCE	5-NS	5-NS	5-NS	3	3	3	1/27/2004	WAH, FC, PCR, SCR
Left Fork Malachi Branch 0 to 0.7	Big Sandy River	05070201	PIKE	5-PS	3	3	3	3	3	10/15/2007	WAH, FC, PCR, SCR

Waterbody & Segment	Basin	8-Digit HUC	County	WAH/CAH	PCR	SCR	FC	DWS	OSRW	Assessment Date	Designated Uses
Left Fork Middle Creek Levisa Fork 0 to 9.7	Big Sandy River	05070203	FLOYD	5-NS	5-NS	5-NS	3	3	3	2/4/2009	WAH, FC, PCR, SCR
Levisa Fork 0 to 5.8	Big Sandy River	05070203	LAWRENCE	5-NS	2-FS	3	3	2-FS	3	2/4/2009	WAH, FC, PCR, SCR, DWS
Levisa Fork 118.5 to 127.7	Big Sandy River	05070202	PIKE	5-NS	5-PS	3	3	3	3	4/1/1998	WAH, FC, PCR, SCR
Levisa Fork 15.3 to 31.4	Big Sandy River	05070203	LAWRENCE	2-FS	2-FS	3	3	3	3	1/25/2006	WAH, FC, PCR, SCR
Levisa Fork 31.4 to 54.7	Big Sandy River	05070203	FLOYD	5-NS	5-NS	3	3	2-FS	3	2/4/2009	WAH, FC, PCR, SCR, DWS
Levisa Fork 5.8 to 15.3	Big Sandy River	05070203	LAWRENCE	5-PS	2-FS	3	5-PS	3	3	1/12/2004	WAH, FC, PCR, SCR
Levisa Fork 57.25 to 58.25	Big Sandy River	05070203	FLOYD	3	3	3	3	2-FS	3	2/4/2009	WAH, FC, PCR, SCR, DWS
Levisa Fork 65.2 to 98.0	Big Sandy River	05070203	PIKE	5-PS	5-NS	3	3	2-FS	3	2/4/2009	WAH, FC, PCR, SCR, DWS
Levisa Fork 98.0 to 101.25	Big Sandy River	05070202	PIKE	3	5-NS	3	2-FS	3	3	2/4/2009	WAH, FC, PCR, SCR
Lick Branch 0.0 to 1.2	Big Sandy River	05070201	MARTIN	5-NS	3	3	3	3	3	11/12/2008	WAH, FC, PCR, SCR
Lick Creek 0.3 to 4.7	Big Sandy River	05070202	PIKE	5-PS	3	3	3	3	3	2/5/2009	WAH, FC, PCR, SCR
Little Cat Fork 1.2 to 3.7	Big Sandy River	05070204	LAWRENCE	2-FS	3	3	3	3	3	11/20/2003	WAH, FC, PCR, SCR
Little Fork 0 to 0.5	Big Sandy River	05070201	PIKE	2-FS	3	3	3	3	3	10/17/2007	WAH, FC, PCR, SCR
Little Paint Creek 3.2 to 6.5	Big Sandy River	05070203	JOHNSON	5-PS	3	3	3	3	3	2/5/2009	WAH, FC, PCR, SCR
Little Paint Creek 6.5 to 11.6	Big Sandy River	05070203	JOHNSON	5-PS	5-NS	5-NS	3	3	3	2/13/2004	WAH, FC, PCR, SCR
Lockwood Creek 2.6 to 3.2	Big Sandy River	05070204	BOYD	5-PS	3	3	3	3	3	2/5/2009	WAH, FC, PCR, SCR
Long Branch 0 to 2.0	Big Sandy River	05070203	FLOYD	5-NS	3	3	3	3	3	11/12/2003	WAH, FC, PCR, SCR
Long Fork 0 to 1.4	Big Sandy River	05070203	FLOYD	5-PS	3	3	3	3	3	2/5/2009	WAH, FC, PCR, SCR
Long Fork 0.4 to 7.5	Big Sandy River	05070202	PIKE	5-PS	3	3	3	3	3	2/5/2009	WAH, FC, PCR, SCR

Waterbody & Segment	Basin	8-Digit HUC	County	WAH/CAH	PCR	SCR	FC	DWS	OSRW	Assessment Date	Designated Uses
Lower Chloe Creek 0 to 1.5	Big Sandy River	05070203	PIKE	5-NS	3	3	3	3	3	2/5/2009	WAH, FC, PCR, SCR
Lower Elk Fork 0.4 to 2.4	Big Sandy River	05070201	PIKE	2-FS	3	3	3	3	3	11/17/2003	WAH, FC, PCR, SCR
Lower Laurel Fork 0 to 7.9	Big Sandy River	05070204	LAWRENCE	5-PS	3	3	3	3	3	2/13/2004	WAH, FC, PCR, SCR
Lower Pigeon Branch 0.6 to 1.9	Big Sandy River	05070202	PIKE	2-FS	3	3	3	3	2-FS	11/12/2008	WAH, FC, PCR, SCR, OSRW
Mare Creek 0 to 0.3	Big Sandy River	05070203	FLOYD	5-NS	3	3	3	3	3	2/5/2009	WAH, FC, PCR, SCR
Marrowbone Creek 1.4 to 11.3	Big Sandy River	05070202	PIKE	5-PS	3	3	3	3	3	11/13/2003	WAH, FC, PCR, SCR
Martin County Lake	Big Sandy River	05070201	MARTIN	2-FS	3	3	3	3	3	1/1/1998	WAH, FC, PCR, SCR, DWS
Meade Branch 0 to 0.1	Big Sandy River	05070203	LAWRENCE	5-NS	3	3	3	3	3	2/5/2009	WAH, FC, PCR, SCR
Meathouse Fork 0 to 2.9	Big Sandy River	05070203	PIKE	5-PS	3	3	3	3	3	2/5/2009	WAH, FC, PCR, SCR
Middle Creek Levisa Fork 0 to 4.6	Big Sandy River	05070203	FLOYD	5-NS	5-PS	3	3	3	3	2/5/2009	WAH, FC, PCR, SCR
Middle Creek Levisa Frok 4.6 to 6.5	Big Sandy River	05070203	FLOYD	5-NS	5-NS	3	3	3	3	2/5/2009	WAH, FC, PCR, SCR
Middle Fork Rockcastle Creek 0 to 16.8	Big Sandy River	05070201	MARTIN	5-PS	3	3	3	3	3	11/18/2008	WAH, FC, PCR, SCR
Miller Creek 0 to 6.4	Big Sandy River	05070203	JOHNSON	5-NS	3	3	3	3	3	11/12/2003	WAH, FC, PCR, SCR
Mud Creek 0 to 2.7	Big Sandy River	05070203	FLOYD	5-NS	3	3	3	3	3	2/13/2004	WAH, FC, PCR, SCR
Mudlick Branch 0 to 0.2	Big Sandy River	05070201	MARTIN	5-NS	3	3	3	3	3	2/5/2009	WAH, FC, PCR, SCR
Mudlick Creek 3.7 to 4.1	Big Sandy River	05070203	JOHNSON	3	5-NS	3	3	3	3	2/5/2009	WAH, FC, PCR, SCR
Nats Creek 0 to 3.1	Big Sandy River	05070203	LAWRENCE	5-PS	3	3	3	3	3	8/3/2004	WAH, FC, PCR, SCR
Old Road Fork 0 to 2.1	Big Sandy River	05070201	MARTIN	2-FS	3	3	3	3	3	2/5/2009	WAH, FC, PCR, SCR
Open Fork Paint Creek 6.2 to 11.4	Big Sandy River	05070203	MORGAN	5-PS	5-NS	5-NS	3	3	3	1/15/2004	WAH, FC, PCR, SCR

Waterbody & Segment	Basin	8-Digit HUC	County	WAH/CAH	PCR	SCR	FC	DWS	OSRW	Assessment Date	Designated Uses
Otter Creek 0 to 0.5	Big Sandy River	05070203	FLOYD	5-NS	4A-NS	3	3	3	3	12/17/2009	WAH, FC, PCR, SCR
Paddle Creek 0.0 to 1.6	Big Sandy River	05070204	BOYD	5-NS	3	3	3	3	3	12/10/2003	WAH, FC, PCR, SCR
Paint Creek 0 to 7.1	Big Sandy River	05070203	JOHNSON	5-NS	5-NS	3	3	3	3	2/5/2009	CAH, FC, PCR, SCR
Paint Creek 7.1 to 8.2	Big Sandy River	05070203	JOHNSON	5-PS	5-NS	3	3	3	3	2/9/2009	CAH, FC, PCR, SCR
Paintsville Reservoir	Big Sandy River	05070203	JOHNSON	2-FS	3	2-FS	5-PS	3	3	5/29/2008	WAH, CAH, FC, PCR, SCR
Panther Fork 0 to 2.95	Big Sandy River	05070201	MARTIN	5-PS	3	3	3	3	3	2/8/2009	WAH, FC, PCR, SCR
Penhook Branch 0 to 0.35	Big Sandy River	05070203	FLOYD	5-NS	5-NS	3	3	3	3	2/9/2009	WAH, FC, PCR, SCR
Peter Creek 0 to 5.8	Big Sandy River	05070201	PIKE	5-NS	3	3	3	3	3	8/3/2004	WAH, FC, PCR, SCR
Pigeonroost Fork 0 to 1.3	Big Sandy River	05070201	MARTIN	5-NS	3	3	3	3	3	8/3/2004	WAH, FC, PCR, SCR
Pond Creek 0 to 9.7	Big Sandy River	05070201	PIKE	5-NS	5-NS	3	3	3	3	2/11/2009	WAH, FC, PCR, SCR
Prater Creek 0 to 4.8	Big Sandy River	05070203	FLOYD	2-FS	3	3	3	3	3	2/16/2004	WAH, FC, PCR, SCR
Puncheon Branch 0 to 3.6	Big Sandy River	05070203	KNOTT	5-PS	3	3	3	3	3	12/17/2009	WAH, FC, PCR, SCR
Raccoon Creek 0.0 to 2.1	Big Sandy River	05070203	PIKE	5-NS	5-NS	3	3	3	3	2/11/2009	WAH, FC, PCR, SCR
Raccoon Creek 5.7 to 7.5	Big Sandy River	05070203	PIKE	5-PS	3	3	3	3	3	11/17/2003	WAH, FC, PCR, SCR
Right Fork Beaver Creek 0 to 17.4	Big Sandy River	05070203	FLOYD	5-PS	4A-NS	4A-NS	3	3	3	12/17/2009	WAH, FC, PCR, SCR
Right Fork Beaver Creek 17.4 to 23.3	Big Sandy River	05070203	FLOYD	5-NS	4A-NS	3	3	3	3	12/17/2009	WAH, FC, PCR, SCR
Right Fork Beaver Creek 23.3 to 30.3	Big Sandy River	05070203	KNOTT	5-NS	2-FS	3	3	3	3	12/17/2009	WAH, FC, PCR, SCR
Right Fork Beaver Creek 30.3 to 33.4	Big Sandy River	05070203	KNOTT	5-PS	4A-NS	3	3	3	3	12/17/2009	WAH, FC, PCR, SCR
Right Fork Beaver Creek 33.4 to 38.0	Big Sandy River	05070203	KNOTT	5-NS	3	3	3	3	3	12/17/2009	WAH, FC, PCR, SCR

Waterbody & Segment	Basin	8-Digit HUC	County	WAH/CAH	PCR	SCR	FC	DWS	OSRW	Assessment Date	Designated Uses
Right Fork of Island Creek 0 to 1.7	Big Sandy River	05070203	PIKE	5-NS	5-NS	3	3	3	3	2/13/2009	WAH, FC, PCR, SCR
Right Fork of Little Paint Creek 0.4 to 2.1	Big Sandy River	05070203	FLOYD	5-NS	3	3	3	3	3	2/13/2009	WAH, FC, PCR, SCR
Right Fork of Panther Fork 0 to 1.05	Big Sandy River	05070201	MARTIN	5-NS	3	3	3	3	3	2/13/2009	WAH, FC, PCR, SCR
Right Fork of Whitecabin Branch 0 to 1.1	Big Sandy River	05070201	MARTIN	5-NS	3	3	3	3	3	2/13/2009	WAH, FC, PCR, SCR
Righthand Fork 0 to 2.0	Big Sandy River	05070203	KNOTT	5-NS	3	3	3	3	3	12/18/2009	WAH, FC, PCR, SCR
Road Fork 1.3 to 1.9	Big Sandy River	05070201	PIKE	5-NS	3	3	3	3	3	2/13/2009	WAH, FC, PCR, SCR
Rob Fork 0 to 1.0	Big Sandy River	05070202	PIKE	5-NS	3	3	3	3	3	2/13/2009	WAH, FC, PCR, SCR
Robinson Creek 0 to 2.1	Big Sandy River	05070202	PIKE	2-FS	3	3	3	3	3	8/14/2002	WAH, FC, PCR, SCR
Rock Fork 0 to 7.0	Big Sandy River	05070203	FLOYD	5-PS	2-FS	3	3	3	3	12/18/2009	WAH, FC, PCR, SCR
Rockcastle Creek 0 to 3.7	Big Sandy River	05070201	LAWRENCE	5-PS	5-NS	3	3	3	3	2/13/2009	WAH, FC, PCR, SCR
Rockcastle Creek 13.4 to 17.8	Big Sandy River	05070201	MARTIN	5-NS	3	3	3	3	3	8/3/2004	WAH, FC, PCR, SCR
Rockcastle Creek 3.7 to 13.4	Big Sandy River	05070201	MARTIN	5-PS	3	3	2-FS	3	3	1/14/2004	WAH, FC, PCR, SCR
Rockhouse Fork 0 to 6.4	Big Sandy River	05070201	MARTIN	5-PS	3	3	3	3	3	2/13/2009	WAH, FC, PCR, SCR
Russell Fork 0 to 6.3	Big Sandy River	05070202	PIKE	2-FS	2-FS	3	3	2-FS	3	2/13/2009	WAH, FC, PCR, SCR, DWS
Russell Fork 12.9 to 16.45	Big Sandy River	05070202	PIKE	2-FS	3	3	3	2-FS	2-FS	2/13/2009	WAH, FC, PCR, SCR, DWS, OSRW
Russell Fork 6.3 to 9.2	Big Sandy River	05070202	PIKE	2-FS	3	3	3	3	3	11/25/2003	WAH, FC, PCR, SCR
Salisbury Branch 0 to 2.0	Big Sandy River	05070203	KNOTT	5-PS	3	3	3	3	3	12/18/2009	WAH, FC, PCR, SCR
Salt Lick Creek 0 to 6.8	Big Sandy River	05070203	FLOYD	5-PS	4A-NS	3	3	3	3	12/18/2009	WAH, FC, PCR, SCR
Shannon Branch 0 to 0.75	Big Sandy River	05070201	PIKE	2-FS	3	3	3	3	3	10/16/2007	WAH, FC, PCR, SCR

Waterbody & Segment	Basin	8-Digit HUC	County	WAH/CAH	PCR	SCR	FC	DWS	OSRW	Assessment Date	Designated Uses
Shelby Creek 0 to 6.0	Big Sandy River	05070202	PIKE	5-PS	5-PS	3	3	3	3	2/16/2009	WAH, FC, PCR, SCR
Shelby Creek 6.0 to 13.3	Big Sandy River	05070202	PIKE	5-PS	3	3	3	3	3	2/17/2009	WAH, FC, PCR, SCR
Simpson Branch 0 to 1.8	Big Sandy River	05070203	FLOYD	5-PS	4A-NS	3	3	3	3	12/18/2009	WAH, FC, PCR, SCR
Sizemore Branch 0 to 2.0	Big Sandy River	05070203	FLOYD	5-NS	5-NS	3	3	3	3	12/18/2009	WAH, FC, PCR, SCR
Spewing Camp Branch 0 to 3.1	Big Sandy River	05070203	FLOYD	5-NS	4A-NS	5-NS	3	3	3	12/18/2009	WAH, FC, PCR, SCR
Spurlock Creek 0 to 0.6	Big Sandy River	05070203	FLOYD	5-NS	4A-NS	3	3	3	3	12/18/2009	WAH, FC, PCR, SCR
Spurlock Creek 0.6 to 4.0	Big Sandy River	05070203	FLOYD	5-NS	2-FS	3	3	3	3	12/18/2009	WAH, FC, PCR, SCR
Steele Creek 0 to 2.4	Big Sandy River	05070203	FLOYD	5-NS	3	3	3	3	3	12/18/2009	WAH, FC, PCR, SCR
Stephens Branch 0 to 2.6	Big Sandy River	05070203	FLOYD	5-NS	3	3	3	3	3	12/18/2009	WAH, FC, PCR, SCR
Straight Fork 0 to 0.8	Big Sandy River	05070201	MARTIN	5-PS	3	3	3	3	3	2/17/2009	WAH, FC, PCR, SCR
Stratton Branch 0.4 to 2.1	Big Sandy River	05070203	FLOYD	5-NS	3	3	3	3	3	2/17/2009	WAH, FC, PCR, SCR
Sturgeon Branch 0 to 1.3	Big Sandy River	05070203	JOHNSON	3	3	3	3	3	3		WAH, FC, PCR, SCR
Sycamore Creek 0 to 3.8	Big Sandy River	05070203	PIKE	5-PS	3	3	3	3	3	2/17/2009	WAH, FC, PCR, SCR
Thompson Fork 0 to 1.0	Big Sandy River	05070203	FLOYD	2-FS	3	3	3	3	3	2/17/2009	WAH, FC, PCR, SCR
Toms Branch 0 to 1.6	Big Sandy River	05070202	PIKE	2-FS	3	3	3	3	2-FS	2/17/2009	WAH, FC, PCR, SCR, OSRW
Toms Creek 0 to 8.0	Big Sandy River	05070203	JOHNSON	5-PS	3	3	3	3	3	8/3/2004	WAH, FC, PCR, SCR
Tug Fork 0 to 10.45	Big Sandy River	05070201	LAWRENCE	2-FS	2-FS	3	3	3	3	2/17/2009	WAH, FC, PCR, SCR
Tug Fork 10.45 to 41.95	Big Sandy River	05070201	LAWRENCE	2-FS	2-FS	3	3	2-FS	3	2/17/2009	WAH, FC, PCR, SCR, DWS
Tug Fork 71.9 to 77.7	Big Sandy River	05070201	PIKE	2-FS	3	3	5-PS	3	3	11/25/2003	WAH, FC, PCR, SCR

Waterbody & Segment	Basin	8-Digit HUC	County	WAH/CAH	PCR	SCR	FC	DWS	OSRW	Assessment Date	Designated Uses
Tug Fork 78.2 to 84.8	Big Sandy River	05070201	PIKE	2-FS	2-FS	3	3	3	3	2/17/2009	WAH, FC, PCR, SCR
Turkey Creek 0 to 5.9	Big Sandy River	05070203	FLOYD	5-NS	4A-NS	3	3	3	3	12/22/2009	WAH, FC, PCR, SCR
Upper Pigeon Branch 0 to 1.8	Big Sandy River	05070202	PIKE	5-NS	3	3	3	3	3	10/27/2003	WAH, FC, PCR, SCR
UT of Barnetts Creek	Big Sandy River	05070203	JOHNSON	5-NS	3	3	3	3	3	2/17/2009	WAH, FC, PCR, SCR
UT of Big Sandy River 0 to 0.9	Big Sandy River	05070204	BOYD	5-NS	5-NS	3	3	3	3	2/17/2009	WAH, FC, PCR, SCR
UT of Hobbs Fork 0 to 0.6	Big Sandy River	05070201	MARTIN	2-FS	3	3	3	3	2-FS	8/1/2008	WAH, FC, PCR, SCR, OSRW
UT of Johns Creek 0 to 0.2	Big Sandy River	05070203	JOHNSON	5-NS	5-NS	3	3	3	3	2/17/2009	WAH, FC, PCR, SCR
UT of Mud Creek 0 to 0.3	Big Sandy River	05070203	FLOYD	3	5-NS	3	3	3	3	2/19/2009	WAH, FC, PCR, SCR
UT of Mudlick Branch 0 to 0.6	Big Sandy River	05070201	MARTIN	5-NS	5-NS	5-NS	3	3	3	2/19/2009	WAH, FC, PCR, SCR
UT of Open Fork Paint Creek 0 to 0.8	Big Sandy River	05070203	MORGAN	2-FS	3	3	3	3	3	10/10/2006	WAH, FC, PCR, SCR
UT of Stave Branch 0 to 0.5	Big Sandy River	05070203	JOHNSON	5-NS	3	3	3	3	3	2/18/2009	WAH, FC, PCR, SCR
Venters Branch 0.4 to 1.8	Big Sandy River	05070201	MARTIN	5-NS	3	3	3	3	3	2/18/2009	WAH, FC, PCR, SCR
Whites Creek 0.6 to 3.6	Big Sandy River	05070204	BOYD	2-FS	3	3	3	3	3	9/22/2003	WAH, FC, PCR, SCR
Williams Fork 0 to 0.2	Big Sandy River	05070203	JOHNSON	5-NS	3	3	3	3	3	2/18/2009	WAH, FC, PCR, SCR
Wilson Creek 0 to 2.9	Big Sandy River	05070203	FLOYD	5-NS	3	3	3	3	3	12/22/2009	WAH, FC, PCR, SCR
Wolf Creek 0 to 6.6	Big Sandy River	05070201	MARTIN	5-PS	5-PS	3	3	3	3	2/18/2009	WAH, FC, PCR, SCR
Wolf Creek 17.6 to 20.5	Big Sandy River	05070201	MARTIN	5-PS	3	3	3	3	3	2/18/2009	WAH, FC, PCR, SCR
Wolf Creek 6.6 to 17.6	Big Sandy River	05070201	MARTIN	5-NS	3	3	3	3	3	2/18/2009	WAH, FC, PCR, SCR
Wolfpen Branch 0 to 1.7	Big Sandy River	05070202	PIKE	5-NS	3	3	3	3	3	11/17/2003	WAH, FC, PCR, SCR

Waterbody & Segment	Basin	8-Digit HUC	County	WAH/CAH	PCR	SCR	FC	DWS	OSRW	Assessment Date	Designated Uses
Yatesville Reservoir	Big Sandy River	05070204	LAWRENCE	2-FS	3	2-FS	3	3	3	5/29/2008	WAH, FC, PCR, SCR
Adams Fork 0 to 4.6	Green River	05110004	OHIO	5-PS	3	3	3	3	3	3/1/2003	WAH, FC, PCR, SCR
Adams Fork 8.9 to 9.8	Green River	05110004	OHIO	2-FS	3	3	3	3	3	3/1/2003	WAH, FC, PCR, SCR
Alexander Creek 0 to 3.6	Green River	05110001	EDMONSON	2-FS	3	3	3	3	3	11/12/2002	WAH, FC, PCR, SCR
Alexander Creek 3.6 to 7.1	Green River	05110001	EDMONSON	2-FS	3	3	3	3	3	11/12/2002	WAH, FC, PCR, SCR
Austin Creek 2.6 to 3.6	Green River	05110003	LOGAN	5-PS	3	3	3	3	3	3/1/2003	WAH, FC, PCR, SCR
Bacon Creek 0.2 to 17.5	Green River	05110001	HART	2-FS	4A-NS	3	2-FS	3	3	5/16/2013	WAH, FC, PCR, SCR
Bacon Creek 17.5 to 27.1	Green River	05110001	HART	5-PS	5-NS	3	3	3	3	5/16/2013	WAH, FC, PCR, SCR
Bacon Creek 27.1 to 32.3	Green River	05110001	HART	2-FS	4A-NS	3	3	3	3	5/16/2013	WAH, FC, PCR, SCR
Bacon Creek 32.3 to 34.1	Green River	05110001	LARUE	3	4A-NS	3	3	3	3	5/20/2013	WAH, FC, PCR, SCR
Barnett Creek 0 to 3.3	Green River	05110004	OHIO	2-FS	3	3	3	3	3	3/1/2003	WAH, FC, PCR, SCR
Barnett Creek 3.3 to 10.4	Green River	05110004	OHIO	2-FS	3	3	3	3	3	10/29/2007	WAH, FC, PCR, SCR
Barren River 0 to 8.4	Green River	05110002	BUTLER	2-FS	5-PS	2-FS	3	3	2-FS	5/21/2013	WAH, FC, PCR, SCR, DWS, OSRW
Barren River 104.8 to 119.3	Green River	05110002	ALLEN	2-FS	5-NS	5-NS	3	3	3	1/4/2008	WAH, FC, PCR, SCR, DWS
Barren River 29.5 to 35.0	Green River	05110002	WARREN	3	2-FS	3	3	3	3	3/1/2003	WAH, FC, PCR, SCR
Barren River 37.65 to 43.95	Green River	05110002	WARREN	3	2-FS	3	3	2-FS	3	11/26/2012	WAH, FC, PCR, SCR, DWS
Barren River 78.8 to 79.8	Green River	05110002	ALLEN	2-FS	3	3	3	3	3	10/19/2006	WAH, FC, PCR, SCR
Barren River 8.4 to 15.1	Green River	05110002	WARREN	2-FS	3	3	3	3	2-FS	3/1/2003	WAH, FC, PCR, SCR, OSRW
Barren River Lake	Green River	05110002	BARREN	2-FS	3	2-FS	2-FS	3	3	1/28/2008	WAH, FC, PCR, SCR

Waterbody & Segment	Basin	8-Digit HUC	County	WAH/CAH	PCR	SCR	FC	DWS	OSRW	Assessment Date	Designated Uses
Barren Run 0 to 6.05	Green River	05110001	LARUE	2-FS	3	3	3	3	3	5/21/2013	WAH, FC, PCR, SCR
Bat East Creek 0 to 3.4	Green River	05110003	MUHLENBERG	5-PS	5-NS	3	3	3	3	5/21/2013	WAH, FC, PCR, SCR
Bat East Creek 3.4 to 7.5	Green River	05110003	MUHLENBERG	5-PS	2-FS	3	3	3	3	5/22/2013	WAH, FC, PCR, SCR
Bays Fork 6.2 to 15.5	Green River	05110002	ALLEN	5-PS	3	3	3	3	3	10/1/2007	WAH, FC, PCR, SCR
Bear Creek 14.7 to 22.4	Green River	05110001	EDMONSON	5-NS	3	3	3	3	3	2/28/2003	WAH, FC, PCR, SCR
Bear Creek 29.15 to 33.4	Green River	05110001	GRAYSON	5-NS	3	3	3	3	3	5/22/2013	WAH, FC, PCR, SCR
Bear Creek 40.25 to 42.7	Green River	05110001	GRAYSON	5-PS	3	3	3	3	3	5/22/2013	WAH, FC, PCR, SCR
Bear Creek 8.05 to 12.75	Green River	05110001	EDMONSON	5-NS	2-FS	2-FS	3	3	3	5/22/2013	WAH, FC, PCR, SCR
Beaver Creek 15.75 to 28.1	Green River	05110002	BARREN	2-FS	3	3	3	2-FS	3	5/22/2013	WAH, FC, PCR, SCR, DWS
Beaver Creek 8.5 to 15.75	Green River	05110002	BARREN	2-FS	5-NS	3	3	3	3	5/22/2013	WAH, FC, PCR, SCR
Beaverdam Creek 0 to 14.5	Green River	05110001	EDMONSON	2-FS	3	3	3	3	2-FS	5/22/2013	CAH, FC, PCR, SCR, OSRW
Beech Creek 0 to 3.9	Green River	05110003	MUHLENBERG	5-NS	4A-NS	4A-NS	3	3	3	5/22/2013	WAH, FC, PCR, SCR
Big Brush Creek 0 to 5.0	Green River	05110001	GREEN	5-PS	4A-NS	2-FS	3	3	3	10/29/2007	WAH, FC, PCR, SCR
Big Brush Creek 12.9 to 17.4	Green River	05110001	GREEN	2-FS	3	3	3	3	3	10/27/2007	WAH, FC, PCR, SCR
Big Brush Creek 5.0 to 7.1	Green River	05110001	GREEN	3	2-FS	2-FS	3	3	3	11/27/2007	WAH, FC, PCR, SCR
Big Brush Creek 7.1 to 13.0	Green River	05110001	GREEN	3	4A-NS	2-FS	3	3	3	11/27/2007	WAH, FC, PCR, SCR
Big Creek 3.9 to 9.2	Green River	05110001	ADAIR	5-PS	4A-PS	4A-PS	3	3	3	3/1/2003 - 10/30/2007	WAH, FC, PCR, SCR
Big Pitman Creek 0 to 13.9	Green River	05110001	GREEN	2-FS	5-NS	2-FS	3	3	3	5/29/2013	WAH, FC, PCR, SCR
Big Pitman Creek 13.9 to 17.8	Green River	05110001	GREEN	3	4A-PS	2-FS	3	3	3	10/30/2007	WAH, FC, PCR, SCR

Waterbody & Segment	Basin	8-Digit HUC	County	WAH/CAH	PCR	SCR	FC	DWS	OSRW	Assessment Date	Designated Uses
Big Pitman Creek 17.8 to 23.65	Green River	05110001	TAYLOR	3	4A-NS	2-FS	3	3	3	10/30/2007	WAH, FC, PCR, SCR
Big Pitman Creek 27.5 to 32.6	Green River	05110001	TAYLOR	5-PS	3	3	3	3	3	3/1/2003	WAH, FC, PCR, SCR
Big Reedy Branch 0 to 2.4	Green River	05110001	EDMONSON	5-NS	5-NS	3	3	3	3	3/19/2009	WAH, FC, PCR, SCR
Big Reedy Creek 0 to 12.5	Green River	05110001	BUTLER	5-PS	5-NS	3	3	3	3	5/30/2013	WAH, FC, PCR, SCR
Big Run Branch 0.25 to 3.7	Green River	05110004	GRAYSON	2-FS	3	3	3	3	3	5/30/2013	WAH, FC, PCR, SCR
Billy Creek 0 to 4.8	Green River	05110001	HARDIN	5-PS	4A-NS	3	2-FS	3	3	3/1/2003 - 10/30/2007	WAH, FC, PCR, SCR
Black Lick Creek 11.3 to 12.3	Green River	05110002	LOGAN	5-NS	3	3	3	3	3	1/15/2004	WAH, FC, PCR, SCR
Black Snake Branch 1.6 to 2.9	Green River	05110001	TAYLOR	5-PS	3	3	3	3	3	10/30/2007	WAH, FC, PCR, SCR
Boggess Creek 0 to 3.0	Green River	05110003	MUHLENBERG	3	5-NS	3	3	3	3	6/11/2013	WAH, FC, PCR, SCR
Brier Creek 0 to 4.9	Green River	05110006	MUHLENBERG	4A-NS	4A-NS	4A-NS	3	3	3	3/1/2003	WAH, FC, PCR, SCR
Briggs Lake	Green River	05110003	LOGAN	2-FS	3	2-FS	3	3	3	11/14/2006 - 11/14/2008	WAH, FC, PCR, SCR
Brush Creek 0 to 6.1	Green River	05110001	CASEY	5-PS	3	3	3	3	3	10/30/2007	WAH, FC, PCR, SCR
Brush Creek 0.0 to 2.1	Green River	05110001	GREEN	3	4A-PS	2-FS	3	3	3	10/30/2007	WAH, FC, PCR, SCR
Brush Fork 0 to 4.4	Green River	05110005	MCLEAN	5-NS	5-NS	5-NS	3	3	3	12/17/2002	WAH, FC, PCR, SCR
Brushy Pond Creek 1.4 to 6.0	Green River	05110004	BUTLER	2-FS	3	3	3	3	3	10/30/2007	WAH, FC, PCR, SCR
Bryant Ditch 0 to 3.05	Green River	05110005	DAVISS	5-NS	3	3	3	3	3	1/7/2014	WAH, FC, PCR, SCR
Buck Creek 0 to 8.0	Green River	05110005	MCLEAN	5-PS	5-NS	3	3	3	3	3/1/2003	WAH, FC, PCR, SCR
Buck Creek 2.0 to 8.1	Green River	05110006	CHRISTIAN	5-PS	2-FS	3	3	3	3	3/1/2003	WAH, FC, PCR, SCR
Buck Creek 8.0 to 11.0	Green River	05110005	MCLEAN	5-NS	5-NS	3	3	3	3	5/1/2014	WAH, FC, PCR, SCR

Waterbody & Segment	Basin	8-Digit HUC	County	WAH/CAH	PCR	SCR	FC	DWS	OSRW	Assessment Date	Designated Uses
Buck Fork Pond River 0 to 5.8	Green River	05110006	TODD	5-PS	3	3	3	3	3	10/31/2007	WAH, FC, PCR, SCR
Buck Fork Pond River 12.9 to 19.3	Green River	05110006	CHRISTIAN	5-PS	5-NS	3	3	3	3	3/1/2003	WAH, FC, PCR, SCR
Buck Fork Pond River 20.9 to 22.05	Green River	05110006	TODD	2-FS	3	3	3	3	3	9/20/2013	WAH, FC, PCR, SCR
Burnett Fork 0 to 1.3	Green River	05110005	DAVIESS	5-PS	3	3	3	3	3	12/17/2002	WAH, FC, PCR, SCR
Butler Forks 2.5 to 4.4	Green River	05110001	ADAIR	5-NS	4A-NS	2-FS	3	3	3	10/31/2007	WAH, FC, PCR, SCR
Calhoun Creek 0 to 2.8	Green River	05110001	CASEY	5-PS	3	3	3	3	3	3/1/2003	WAH, FC, PCR, SCR
Campbellsville City Reservoir	Green River	05110001	TAYLOR	2-FS	3	5-PS	3	2-FS	3	4/11/2014	WAH, FC, PCR, SCR, DWS
Cane Run 0 to 3.7	Green River	05110005	DAVIESS	5-PS	3	3	3	3	3	12/17/2002	WAH, FC, PCR, SCR
Cane Run 0.9 to 6.5	Green River	05110001	HART	2-FS	3	3	3	3	2-FS	9/14/2007	WAH, FC, PCR, SCR, OSRW
Caney Creek 0 to 3.6	Green River	05110003	MUHLENBERG	5-PS	5-NS	3	3	3	3	6/13/2013	WAH, FC, PCR, SCR
Caney Creek 0 to 6.8	Green River	05110004	OHIO	2-FS	5-NS	2-FS	3	3	3	6/13/2013	WAH, FC, PCR, SCR
Caney Creek 1.4 to 5.25	Green River	05110006	MUHLENBERG	3	5-NS	3	3	3	3	4/1/1998	WAH, FC, PCR, SCR
Caney Creek 10.05 to 14.0	Green River	05110004	GRAYSON	3	2-FS	3	3	3	3	3/1/2003	WAH, FC, PCR, SCR
Caney Creek 3.6 to 7.6	Green River	05110003	MUHLENBERG	5-NS	5-NS	5-NS	3	3	3	6/13/2013	WAH, FC, PCR, SCR
Caney Creek 6.8 to 10.05	Green River	05110004	OHIO	3	2-FS	3	3	3	3	3/1/2003	WAH, FC, PCR, SCR
Caney Fork 0 to 6.7	Green River	05110002	BARREN	2-FS	3	3	3	3	2-FS	11/30/2007	WAH, FC, PCR, SCR, OSRW
Caneyville City Reservoir	Green River	05110004	GRAYSON	3	3	5-PS	3	5-PS	3	1/1/1992	WAH, FC, PCR, SCR, DWS
Casey Creek 19.4 to 21.7	Green River	05110001	CASEY	2-FS	3	3	3	3	3	10/31/2007	WAH, FC, PCR, SCR
Casey Creek 3.8 to 5.0	Green River	05110001	ADAIR	2-FS	4A-PS	2-FS	3	3	3	9/20/2013	WAH, FC, PCR, SCR

Waterbody & Segment	Basin	8-Digit HUC	County	WAH/CAH	PCR	SCR	FC	DWS	OSRW	Assessment Date	Designated Uses
Casey Creek 8.3 to 12.5	Green River	05110001	CASEY	2-FS	3	3	3	3	3	10/31/2007	WAH, FC, PCR, SCR
Cash Creek 0 to 5.8	Green River	05110005	HENDERSON	5-PS	3	3	3	3	3	3/1/2003	WAH, FC, PCR, SCR
Clay Lick Creek 4.1 to 5.3	Green River	05110001	METCALFE	5-PS	3	3	3	3	3	12/3/2002	WAH, FC, PCR, SCR
Claylick Branch 2.9 to 6.2	Green River	05110001	GRAYSON	2-FS	3	3	3	3	3	9/20/2013	WAH, FC, PCR, SCR
Claylick Creek 2.4 to 3.4	Green River	05110001	WARREN	5-PS	4A-NS	3	3	3	3	3/1/2003	WAH, FC, PCR, SCR
Clear Fork Creek 0 to 6.0	Green River	05110002	WARREN	2-FS	3	3	3	3	3	10/1/2007	WAH, FC, PCR, SCR
Clifty Creek 0 to 13.4	Green River	05110003	TODD	2-FS	3	3	3	3	2-FS	11/12/2002	WAH, FC, PCR, SCR, OSRW
Clifty Creek 7.5 to 21.0	Green River	05110004	GRAYSON	2-FS	3	3	3	3	2-FS	9/24/2013	WAH, FC, PCR, SCR, OSRW
County Lake	Green River	05110001	METCALFE	2-FS	3	2-FS	3	3	3	11/14/2006	WAH, FC, PCR, SCR
Cox Run 0 to 3.4	Green River	05110001	HARDIN	5-PS	3	3	3	3	3	3/1/2003	WAH, FC, PCR, SCR
Craborchard Creek 0 to 3.4	Green River	05110006	HOPKINS	5-NS	5-NS	5-NS	3	3	3	9/24/2013	WAH, FC, PCR, SCR
Craborchard Creek 3.4 to 7.3	Green River	05110006	HOPKINS	5-NS	5-NS	5-NS	3	3	3	9/30/2013	WAH, FC, PCR, SCR
Crooked Creek 0 to 3.0	Green River	05110005	DAVISS	3	5-NS	3	3	3	3	3/1/2003	WAH, FC, PCR, SCR
Cypress Creek 0 to 6.0	Green River	05110006	MCLEAN	2-FS	2B(5)	5-NS	3	3	3	9/25/2013	WAH, FC, PCR, SCR
Cypress Creek 23.1 to 26.5	Green River	05110006	MUHLENBERG	5-NS	5-NS	5-NS	3	3	3	1/14/2010	WAH, FC, PCR, SCR
Cypress Creek 26.5 to 33.6	Green River	05110006	MUHLENBERG	5-PS	2-FS	2-FS	3	3	3	3/1/2003 - 1/14/2010	WAH, FC, PCR, SCR
Daniels Creek 0 to 5.7	Green River	05110004	BRECKINRIDGE	5-PS	3	3	3	3	3	3/1/2003	WAH, FC, PCR, SCR
Deer Creek 0 to 8.4	Green River	05110005	WEBSTER	5-NS	5-PS	2-FS	3	3	3	10/1/2013	WAH, FC, PCR, SCR
Deer Creek 8.4 to 17.8	Green River	05110005	WEBSTER	2-FS	3	3	3	3	3	11/5/2007	WAH, FC, PCR, SCR

Waterbody & Segment	Basin	8-Digit HUC	County	WAH/CAH	PCR	SCR	FC	DWS	OSRW	Assessment Date	Designated Uses
Deserter Creek 0 to 3.1	Green River	05110005	DAVISS	5-PS	5-NS	3	3	3	3	3/19/2009	WAH, FC, PCR, SCR
Dismal Creek 0 to 3.2	Green River	05110001	EDMONSON	2-FS	3	3	3	3	3	11/5/2007	WAH, FC, PCR, SCR
Dorsey Run 2.1 to 3.9	Green River	05110001	HARDIN	5-NS	3	3	3	3	3	3/1/2003	WAH, FC, PCR, SCR
Drakes Creek 0 to 23.4	Green River	05110002	WARREN	2-FS	2-FS	2-FS	5-PS	3	3	10/2/2013	WAH, FC, PCR, SCR
Drakes Creek 0 to 9.0	Green River	05110006	HOPKINS	4A-NS	4A-NS	4A-NS	3	3	3	2/14/2006	WAH, FC, PCR, SCR
Dry Creek 0 to 4.5	Green River	05110001	CASEY	5-PS	3	3	3	3	3	3/1/2003	WAH, FC, PCR, SCR
Dry Fork Creek 3.05 to 4.25	Green River	05110001	METCALFE	2-FS	3	3	3	3	3	10/2/2013	WAH, FC, PCR, SCR
East Branch Pond River 0 to 1.3	Green River	05110006	CHRISTIAN	5-PS	2-FS	3	3	3	3	3/1/2003	WAH, FC, PCR, SCR
East Fork Barren River 4.2 to 8.7	Green River	05110002	MONROE	2-FS	3	3	3	3	3	3/1/2003	WAH, FC, PCR, SCR
East Fork Deer Creek 0 to 6.8	Green River	05110005	WEBSTER	5-NS	3	3	3	3	3	3/1/2003	WAH, FC, PCR, SCR
East Fork Goose Creek 0 to 5.2	Green River	05110001	CASEY	2-FS	3	3	3	3	3	10/2/2013	WAH, FC, PCR, SCR
East Fork Little Barren River 0 to 15.9	Green River	05110001	METCALFE	2-FS	4A-NS	4A-PS	3	3	3	10/4/2013	WAH, FC, PCR, SCR
East Fork Little Barren River 18.9 to 20.6	Green River	05110001	METCALFE	2-FS	2-FS	2-FS	3	3	2-FS	10/4/2013	WAH, FC, PCR, SCR, OSRW
East Fork Little Barren River 20.7 to 30.0	Green River	05110001	METCALFE	5-PS	4A-PS	2-FS	3	3	3	11/30/2007	WAH, FC, PCR, SCR
East Prong of Indian Camp Creek 0 to 6.25	Green River	05110003	BUTLER	5-PS	3	3	3	3	3	3/19/2009	WAH, FC, PCR, SCR
Eaton Branch 0 to 1.9	Green River	05110002	BARREN	5-PS	3	3	3	3	3	12/3/2007	WAH, FC, PCR, SCR
Elk Creek 0 to 5.4	Green River	05110006	HOPKINS	5-NS	3	3	3	3	3	3/1/2002	WAH, FC, PCR, SCR
Elk Creek 7.6 to 10.6	Green River	05110006	HOPKINS	3	5-NS	3	3	3	3	7/16/2001	WAH, FC, PCR, SCR
Elk Lick Creek 3.6 to 11.8	Green River	05110003	LOGAN	2-FS	3	3	3	3	2-FS	10/4/2013	WAH, FC, PCR, SCR, OSRW

Waterbody & Segment	Basin	8-Digit HUC	County	WAH/CAH	PCR	SCR	FC	DWS	OSRW	Assessment Date	Designated Uses
Elk Pond Creek 0 to 4.9	Green River	05110006	MUHLENBERG	5-NS	5-NS	3	3	3	3	3/1/2003	WAH, FC, PCR, SCR
Ellis Fork 0 to 3.2	Green River	05110001	RUSSELL	2-FS	3	3	3	3	2-FS	10/1/2004	WAH, FC, PCR, SCR, OSRW
Falling Timber Creek 0 to 6.9	Green River	05110002	BARREN	2-FS	3	3	2-FS	3	3	2/28/2003 - 11/5/2007	WAH, FC, PCR, SCR
Falling Timber Creek 10.8 to 15.2	Green River	05110002	METCALFE	2-FS	2-FS	2-FS	3	3	2-FS	1/23/2008 - 10/4/2013	WAH, FC, PCR, SCR, OSRW
Fiddlers Creek 0 to 5.9	Green River	05110004	BRECKINRIDGE	2-FS	3	3	3	3	2-FS	11/12/2002	WAH, FC, PCR, SCR, OSRW
Flat Creek 0 to 10.9	Green River	05110006	HOPKINS	5-NS	5-NS	5-NS	3	3	3	12/17/2002 - 11/6/2007	WAH, FC, PCR, SCR
Forbes Creek 0 to 7.45	Green River	05110006	CHRISTIAN	2-FS	3	3	3	3	2-FS	10/7/2013	WAH, FC, PCR, SCR, OSRW
Ford Ditch 0 to 3.3	Green River	05110005	DAVISS	5-PS	3	3	3	3	3	3/1/2003	WAH, FC, PCR, SCR
Freeman Lake	Green River	05110001	HARDIN	2-FS	3	2-FS	3	2-FS	3	4/11/2014	WAH, FC, PCR, SCR, DWS
Gasper River 14.6 to 17.2	Green River	05110002	WARREN	2-FS	3	3	3	3	3	10/7/2013	WAH, FC, PCR, SCR
Gasper River 17.2 to 35.65	Green River	05110002	LOGAN	2-FS	3	3	3	3	2-FS	10/7/2013	WAH, FC, PCR, SCR, OSRW
Gasper River 7.8 to 14.6	Green River	05110002	WARREN	2-FS	5-PS	3	3	3	3	10/7/2013	WAH, FC, PCR, SCR
Gilles Ditch 0 to 5.4	Green River	05110005	DAVISS	5-NS	3	3	3	3	3	3/1/2003	WAH, FC, PCR, SCR
Glens Fork 0 to 7.1	Green River	05110001	ADAIR	5-PS	4A-NS	4A-NS	3	3	3	3/1/2003 - 11/6/2007	WAH, FC, PCR, SCR
Goodman Springs (9000-0230)	Green River	05110001	HARDIN	2-FS	5-NS	3	3	3	3	1/25/2008	WAH, FC, PCR, SCR
Goose Creek 0 to 8.5	Green River	05110001	CASEY	2-FS	3	3	3	3	2-FS	11/12/2001	WAH, FC, PCR, SCR, OSRW
Goren Mill Spring (9000-0793)	Green River	05110001	HART	5-PS	5-NS	3	3	3	3	1/25/2008	WAH, FC, PCR, SCR
Graham Spring (9000-0051)	Green River	05110002	WARREN	5-PS	5-PS	3	3	3	3	1/25/2008	WAH, FC, PCR, SCR
Grapevine Lake	Green River	05110006	HOPKINS	2-FS	3	2-FS	3	3	3	11/14/2006	WAH, FC, PCR, SCR

Waterbody & Segment	Basin	8-Digit HUC	County	WAH/CAH	PCR	SCR	FC	DWS	OSRW	Assessment Date	Designated Uses
Grassy Creek 2.1 to 4.4	Green River	05110004	OHIO	5-NS	3	3	3	3	3	3/1/2003	WAH, FC, PCR, SCR
Green River 0 to 28.0	Green River	05110005	HENDERSON	2-FS	3	3	3	3	3	1/7/2008	WAH, FC, PCR, SCR
Green River 109.3 to 151.0	Green River	05110003	BUTLER	2-FS	3	3	2-FS	2-FS	3	10/29/2013	WAH, FC, PCR, SCR, DWS
Green River 151.0 to 170.3	Green River	05110001	BUTLER	2-FS	2-FS	2-FS	3	3	2-FS	10/29/2013	WAH, FC, PCR, SCR, OSRW
Green River 170.3 to 183.8	Green River	05110001	EDMONSON	2-FS	3	3	3	2-FS	3	10/29/2013	WAH, FC, PCR, SCR, DWS
Green River 210.4 to 250.2	Green River	05110001	HART	2-FS	5-PS	2-FS	5-PS	2-FS	2-FS	10/30/2013	WAH, FC, PCR, SCR, DWS, OSRW
Green River 250.1 to 254.2	Green River	05110001	HART	2-FS	2-FS	3	3	3	2-FS	1/30/2003	WAH, FC, PCR, SCR, OSRW
Green River 254.2 to 269.8	Green River	05110001	GREEN	2-FS	2-FS	2-FS	3	3	2-FS	10/30/2013	WAH, FC, PCR, SCR, OSRW
Green River 269.8 to 276.0	Green River	05110001	GREEN	2-FS	2-FS	2-FS	3	3	2-FS	1/8/2008	WAH, FC, PCR, SCR, OSRW
Green River 276.0 to 283.1	Green River	05110001	GREEN	1-FS	1-FS	1-FS	1-FS	1-FS	1-FS	1/8/2008 - 10/30/2013	WAH, FC, PCR, SCR, OSRW
Green River 28.1 to 55.0	Green River	05110005	MCLEAN	2-FS	3	3	3	2-FS	3	10/29/2013	WAH, FC, PCR, SCR, DWS
Green River 283.1 to 309.0	Green River	05110001	GREEN	2-FS	5-NS	2-FS	2-FS	2-FS	2-FS	10/30/2013	WAH, FC, PCR, SCR, DWS, OSRW
Green River 329.8 to 344.8	Green River	05110001	ADAIR	2-FS	2-FS	2-FS	3	3	3	10/30/2013	WAH, FC, PCR, SCR
Green River 358.8 to 366.4	Green River	05110001	CASEY	2-FS	3	3	3	3	3	11/12/2002	WAH, FC, PCR, SCR
Green River 374.7 to 383.8	Green River	05110001	LINCOLN	2-FS	3	3	3	2-FS	3	1/9/2008	WAH, FC, PCR, SCR, DWS
Green River 63.7 to 64.7	Green River	05110005	MCLEAN	3	3	3	3	2-FS	3	10/29/2013	WAH, FC, PCR, SCR, DWS
Green River 71.7 to 94.2	Green River	05110003	MCLEAN	2-FS	2B(5)	2-FS	2-FS	2-FS	3	10/29/2013	WAH, FC, PCR, SCR, DWS
Green River Reservoir	Green River	05110001	TAYLOR	2-FS	3	2-FS	5-PS	2-FS	3	10/23/2006	WAH, FC, PCR, SCR, DWS

Waterbody & Segment	Basin	8-Digit HUC	County	WAH/CAH	PCR	SCR	FC	DWS	OSRW	Assessment Date	Designated Uses
Groves Creek 0 to 6.4	Green River	05110005	WEBSTER	5-NS	3	3	3	3	3	3/1/2003	WAH, FC, PCR, SCR
Halls Creek 4.8 to 9.6	Green River	05110004	OHIO	5-PS	3	3	3	3	5-PS	1/28/2008	WAH, FC, PCR, SCR, OSRW
Havana Creek 0 to 2.0	Green River	05110005	WEBSTER	5-PS	3	3	3	3	3	3/1/2003	WAH, FC, PCR, SCR
Head of Rough River Spring 154.85 to 155.8	Green River	05110004	HARDIN	5-PS	5-NS	3	3	3	3	1/25/2008	WAH, FC, PCR, SCR
Honey Run 0 to 3.65	Green River	05110001	HART	3	4A-NS	3	3	3	3	5/20/2013	WAH, FC, PCR, SCR
Indian Camp Creek 0.1 to 3.1	Green River	05110003	BUTLER	5-PS	2-FS	3	3	3	3	3/1/2003 - 11/6/2007	WAH, FC, PCR, SCR
Indian Camp Creek 3.1 to 10.4	Green River	05110003	BUTLER	5-PS	3	3	3	3	3	11/6/2007	WAH, FC, PCR, SCR
Indian Creek 0 to 7.5	Green River	05110003	WARREN	2-FS	3	3	3	3	3	3/1/2003	WAH, FC, PCR, SCR
Indian Creek 0.6 to 5.3	Green River	05110002	MONROE	2-FS	3	3	3	3	3	3/1/2003	WAH, FC, PCR, SCR
Isaacs Creek 0 to 7.3	Green River	05110006	MUHLENBERG	5-NS	5-NS	5-NS	3	3	3	3/1/2003	WAH, FC, PCR, SCR
Jarrels Creek 0 to 1.8	Green River	05110006	MUHLENBERG	5-NS	5-NS	3	3	3	3	3/1/2003	WAH, FC, PCR, SCR
Jarrett Fork 0 to 1.1	Green River	05110004	GRAYSON	5-NS	3	3	3	3	3	3/1/2003	WAH, FC, PCR, SCR
Jenny Branch 0 to 2.4	Green River	05110004	OHIO	5-NS	3	3	3	3	3	3/1/2003	WAH, FC, PCR, SCR
Joes Branch 0 to 4.4	Green River	05110005	DAVISS	5-PS	3	3	3	3	3	12/17/2002	WAH, FC, PCR, SCR
Joes Run 0 to 4.8	Green River	05110005	DAVISS	5-PS	3	3	3	3	3	12/17/2002	WAH, FC, PCR, SCR
Johnson Spring 0 to 0.1	Green River	05110001	HART	2-FS	3	3	3	3	3	10/15/2013	WAH, FC, PCR, SCR
Knoblick Creek 0 to 2.1	Green River	05110005	DAVISS	3	5-NS	3	3	3	3	3/1/2003	WAH, FC, PCR, SCR
Knoblick Creek 0 to 9.1	Green River	05110005	WEBSTER	5-NS	3	3	3	3	3	3/1/2003	WAH, FC, PCR, SCR
Lake Liberty	Green River	05110001	CASEY	2-FS	3	2-FS	3	2-FS	3	4/15/2014	WAH, FC, PCR, SCR, DWS

Waterbody & Segment	Basin	8-Digit HUC	County	WAH/CAH	PCR	SCR	FC	DWS	OSRW	Assessment Date	Designated Uses
Lake Malone	Green River	05110003	MUHLENBERG	2-FS	3	2-FS	5-PS	3	3	4/24/2014	WAH, FC, PCR, SCR, DWS
Lake Washburn	Green River	05110004	OHIO	5-PS	3	2-FS	3	3	3	4/15/2014	WAH, FC, PCR, SCR
Laurel Creek of Mud River 2.1 to 6.8	Green River	05110003	LOGAN	2-FS	3	3	3	3	3	11/6/2007	WAH, FC, PCR, SCR
Lewis Creek 0.0 to 14.4	Green River	05110003	OHIO	5-PS	2-FS	3	3	3	3	3/1/2001	WAH, FC, PCR, SCR
Lewisburg Lake	Green River	05110003	LOGAN	3	3	3	3	3	3		WAH, FC, PCR, SCR
Lick Creek 0 to 10.2	Green River	05110002	SIMPSON	2-FS	3	3	3	3	2-FS	3/19/2009	WAH, FC, PCR, SCR, OSRW
Lick Creek 0 to 3.7	Green River	05110005	HENDERSON	5-NS	3	3	3	3	3	3/1/2001	WAH, FC, PCR, SCR
Lick Creek 5.0 to 13.8	Green River	05110005	HENDERSON	5-NS	3	3	3	3	3	2/1/2006	WAH, FC, PCR, SCR
Linders Creek 0 to 7.9	Green River	05110004	HARDIN	2-FS	3	3	3	3	2-FS	10/11/2013	WAH, FC, PCR, SCR, OSRW
Lindy Creek 0 to 0.9	Green River	05110001	HART	5-PS	3	3	3	3	3	3/1/2003	WAH, FC, PCR, SCR
Line Creek 0 to 7.2	Green River	05110002	MONROE	2-FS	3	3	3	3	3	3/1/2003	WAH, FC, PCR, SCR
Little Barren River 0 to 9.8	Green River	05110001	GREEN	2-FS	4A-NS	2-FS	3	3	3	1/2/2008 - 10/11/2013	WAH, FC, PCR, SCR
Little Barren River 9.8 to 15.7	Green River	05110001	GREEN	3	4A-NS	4A-NS	3	3	3	1/2/2008	WAH, FC, PCR, SCR
Little Beaverdam Creek 0 to 11.4	Green River	05110001	WARREN	2B(5)	3	3	3	3	2B(5)	10/11/2013	WAH, FC, PCR, SCR, OSRW
Little Brush Creek 3.2 to 13.2	Green River	05110001	GREEN	2-FS	4A-NS	2-FS	3	3	3	10/1/2007 - 11/14/2007	WAH, FC, PCR, SCR
Little Cypress Creek 0 to 8.7	Green River	05110006	MUHLENBERG	5-PS	4A-NS	3	3	3	3	1/14/2010	WAH, FC, PCR, SCR
Little Cypress Creek 8.7 to 10.1	Green River	05110006	MUHLENBERG	5-NS	5-NS	5-NS	3	3	3	1/14/2010	WAH, FC, PCR, SCR
Little Meeting Creek 0 to 3.1	Green River	05110004	HARDIN	2-FS	3	3	3	3	3	10/11/2013	WAH, FC, PCR, SCR
Little Muddy Creek 5.2 to 6.6	Green River	05110002	BUTLER	5-NS	3	3	3	3	3	3/1/2003	WAH, FC, PCR, SCR

Waterbody & Segment	Basin	8-Digit HUC	County	WAH/CAH	PCR	SCR	FC	DWS	OSRW	Assessment Date	Designated Uses
Little Muddy Creek 6.6 to 13.15	Green River	05110002	BUTLER	5-PS	3	3	3	3	3	3/1/2001	WAH, FC, PCR, SCR
Little Pitman Creek 0 to 10.1	Green River	05110001	TAYLOR	2-FS	4A-NS	4A-PS	3	3	3	10/1/2007 - 11/1/2007	WAH, FC, PCR, SCR
Little Pitman Creek 10.1 to 11.3	Green River	05110001	TAYLOR	2-FS	4A-NS	2-FS	3	3	3	2/5/2007	WAH, FC, PCR, SCR
Little Russell Creek 0 to 6.1	Green River	05110001	GREEN	2-FS	4A-PS	2-FS	3	3	3	12/6/2007	WAH, FC, PCR, SCR
Little Short Creek 0 to 3.1	Green River	05110004	GRAYSON	2-FS	2-FS	3	3	3	2-FS	10/11/2013	WAH, FC, PCR, SCR, OSRW
Little Trammel Creek 0 to 2.4	Green River	05110002	ALLEN	2-FS	3	3	3	3	3	3/1/2003	WAH, FC, PCR, SCR
Long Creek 0 to 3.3	Green River	05110006	MUHLENBERG	5-PS	3	3	3	3	3	10/1/2007	WAH, FC, PCR, SCR
Long Falls Creek 0 to 7.6	Green River	05110005	MCLEAN	5-PS	5-NS	3	3	3	3	12/17/2002	WAH, FC, PCR, SCR
Long Falls Creek 7.6 to 11.9	Green River	05110005	MCLEAN	5-PS	5-NS	5-NS	3	3	3	3/1/2003	WAH, FC, PCR, SCR
Long Fork 0.5 to 1.7	Green River	05110002	MONROE	2-FS	3	3	3	3	3	3/1/2003	WAH, FC, PCR, SCR
Long Lick Creek 4.6 to 7.3	Green River	05110004	BRECKINRIDGE	5-NS	3	3	3	3	3	3/1/2003	WAH, FC, PCR, SCR
Lost River Rise (9000-0054)	Green River	05110002	WARREN	2-FS	5-NS	3	3	3	3	1/24/2008	WAH, FC, PCR, SCR
Luzerne Lake	Green River	05110003	MUHLENBERG	2-FS	3	3	3	5-PS	3	1/1/1992	WAH, FC, PCR, SCR, DWS
Lynn Camp Creek 0 to 8.5	Green River	05110001	HART	2-FS	4A-NS	4A-NS	3	3	2-FS	10/11/2013	WAH, FC, PCR, SCR, OSRW
Mahurin Spring (9000-0202)	Green River	05110004	GRAYSON	2-FS	5-NS	3	3	3	3	1/24/2008	WAH, FC, PCR, SCR
McClure Fork 3.1 to 4.1	Green River	05110001	GRAYSON	5-NS	3	3	3	3	3	12/6/2007	WAH, FC, PCR, SCR
McCoy Bluehole Spring (9000-0792)	Green River	05110001	HART	2-FS	5-NS	3	3	3	2-FS	1/25/2008	WAH, FC, PCR, SCR, OSRW
McFarland Creek 1.5 to 5.0	Green River	05110006	CHRISTIAN	5-PS	3	3	3	3	5-PS	10/11/2013	WAH, FC, PCR, SCR, OSRW
McGrady Creek 0 to 1.9	Green River	05110004	OHIO	5-PS	2-FS	3	3	3	3	3/1/2003	WAH, FC, PCR, SCR

Waterbody & Segment	Basin	8-Digit HUC	County	WAH/CAH	PCR	SCR	FC	DWS	OSRW	Assessment Date	Designated Uses
Meadow Creek 0 to 0.8	Green River	05110001	GREEN	2-FS	3	3	3	3	3	3/1/2003	WAH, FC, PCR, SCR
Meadow Creek 0.8 to 7.4	Green River	05110001	GREEN	2-FS	3	3	3	3	3	3/1/2003	WAH, FC, PCR, SCR
Meeting Creek 5.2 to 14.0	Green River	05110004	HARDIN	5-PS	3	3	3	3	5-PS	12/6/2007	WAH, FC, PCR, SCR, OSRW
Middle Fork of Drakes Creek 0 to 7.8	Green River	05110002	WARREN	5-PS	3	3	3	3	3	12/6/2007	WAH, FC, PCR, SCR
Middle Fork of Drakes Creek 11.9 to 18.35	Green River	05110002	ALLEN	2-FS	3	3	3	3	3	12/6/2007	WAH, FC, PCR, SCR
Middle Pitman Creek 0 to 7.7	Green River	05110001	GREEN	2-FS	4A-NS	4A-NS	3	3	3	12/6/2007	WAH, FC, PCR, SCR
Middle Pitman Creek 8.2 to 10.1	Green River	05110001	TAYLOR	2-FS	4A-NS	2-FS	3	3	3	12/6/2007	WAH, FC, PCR, SCR
Mill Creek 0 to 2.6	Green River	05110001	TAYLOR	2-FS	3	3	3	3	3	3/1/2003	WAH, FC, PCR, SCR
Mill Creek 0 to 4.2	Green River	05110004	OHIO	3	5-NS	3	3	3	3	3/1/2003	WAH, FC, PCR, SCR
Mill Creek Lake	Green River	05110002	MONROE	2-FS	3	2-FS	3	2-FS	3	4/15/2014	WAH, FC, PCR, SCR, DWS
Mill Spring (9000-1193)	Green River	05110001	GRAYSON	2-FS	5-NS	3	3	3	3	1/25/2008	WAH, FC, PCR, SCR
Motts Lick Creek 0 to 3.3	Green River	05110003	LOGAN	2-FS	3	3	3	3	3	3/1/2003	WAH, FC, PCR, SCR
Mud River 0 to 9.15	Green River	05110003	BUTLER	3	3	3	5-PS	3	3	3/31/2014	WAH, FC, PCR, SCR
Mud River 30.9 to 52.2	Green River	05110003	LOGAN	3	2-FS	3	5-NS	3	3	1/2/2008	WAH, FC, PCR, SCR
Mud River 52.2 to 64.0	Green River	05110003	LOGAN	3	3	3	5-NS	3	3	3/1/2003	WAH, FC, PCR, SCR
Mud River 9.15 to 30.9	Green River	05110003	MUHLENBERG	5-PS	2-FS	2-FS	5-NS	3	3	3/31/2014	WAH, FC, PCR, SCR
Muddy Creek 0 to 5.0	Green River	05110004	OHIO	5-PS	3	3	3	3	3	8/2/2003	WAH, FC, PCR, SCR
Muddy Creek 0.1 to 5.9	Green River	05110003	BUTLER	2-FS	2B(5)	3	3	3	3	10/15/2013	WAH, FC, PCR, SCR
Muddy Creek 1.9 to 4.9	Green River	05110004	OHIO	5-NS	2-FS	3	3	3	3	2/28/2003	WAH, FC, PCR, SCR

Waterbody & Segment	Basin	8-Digit HUC	County	WAH/CAH	PCR	SCR	FC	DWS	OSRW	Assessment Date	Designated Uses
Muddy Creek 5.8 to 9.1	Green River	05110004	OHIO	5-PS	3	3	3	3	3	2/19/2008	WAH, FC, PCR, SCR
Muddy Creek 8.6 to 15.2	Green River	05110003	BUTLER	5-PS	3	3	3	3	3	12/6/2007	WAH, FC, PCR, SCR
Muddy Creek 9.1 to 15.5	Green River	05110004	OHIO	2-FS	3	3	3	3	2-FS	11/12/2002	WAH, FC, PCR, SCR, OSRW
Muddy Fork 0 to 4.65	Green River	05110006	MUHLENBERG	2-FS	3	3	3	3	3	1/15/2010	WAH, FC, PCR, SCR
Narge Creek 2.6 to 4.2	Green River	05110006	HOPKINS	5-NS	3	3	3	3	3	3/1/2003	WAH, FC, PCR, SCR
No Creek 0 to 2.9	Green River	05110004	OHIO	2-FS	3	3	3	3	3	10/15/2013	WAH, FC, PCR, SCR
Nolin River 0 to 7.7	Green River	05110001	EDMONSON	2-FS	3	3	3	3	3	10/25/2007	WAH, FC, PCR, SCR
Nolin River 49.6 to 88.2	Green River	05110001	HARDIN	2-FS	5-PS	3	2-FS	3	3	10/15/2013	WAH, FC, PCR, SCR, DWS
Nolin River 88.2 to 98.5	Green River	05110001	HARDIN	2-FS	3	3	3	3	3	3/1/2003	WAH, FC, PCR, SCR
Nolin River Reservoir	Green River	05110001	EDMONSON	1-FS	1-FS	1-FS	1-FS	1-FS	1-FS	10/24/2007	WAH, FC, PCR, SCR, DWS
Nolynn Spring (9000-2673)	Green River	05110001	LARUE	5-PS	5-NS	3	3	3	3	1/25/2008	WAH, FC, PCR, SCR
North Branch of South Fork of Panther Creek 0 to 4.2	Green River	05110005	HANCOCK	5-NS	3	3	3	3	3	3/1/2003	WAH, FC, PCR, SCR
North Fork of Barnett Creek 0 to 2.3	Green River	05110004	OHIO	5-PS	3	3	3	3	3	3/19/2009	WAH, FC, PCR, SCR
North Fork of Nolin River 3.0 to 7.0	Green River	05110001	LARUE	5-NS	3	3	3	2-FS	3	12/7/2007	WAH, FC, PCR, SCR, DWS
North Fork of Panther Creek 0 to 4.2	Green River	05110005	DAVISS	5-PS	3	3	3	3	3	10/1/2007	WAH, FC, PCR, SCR
North Fork of Panther Creek 4.2 to 9.1	Green River	05110005	DAVISS	5-PS	5-NS	3	3	3	3	3/1/2003 - 12/7/2007	WAH, FC, PCR, SCR
North Fork Panther Creek 9.1 to 9.7	Green River	05110005	DAVISS	5-NS	3	3	3	3	3	10/16/2013	WAH, FC, PCR, SCR
North Fork Panther Creek 9.7 to 12.7	Green River	05110005	DAVISS	5-PS	3	3	3	3	3	12/17/2002	WAH, FC, PCR, SCR
North Fork Rough River 19.4 to 22.1	Green River	05110004	BRECKINRIDGE	2-FS	3	3	3	3	3	12/7/2007	WAH, FC, PCR, SCR

Waterbody & Segment	Basin	8-Digit HUC	County	WAH/CAH	PCR	SCR	FC	DWS	OSRW	Assessment Date	Designated Uses
North Fork Rough River 22.1 to 29.5	Green River	05110004	BRECKINRIDGE	2-FS	3	3	3	3	2-FS	10/16/2013	WAH, FC, PCR, SCR, OSRW
Nortonville Lake	Green River	05110006	HOPKINS	3	3	3	2-FS	3	3	1/29/2008	WAH, FC, PCR, SCR
Nosey Creek 0 to 1.55	Green River	05110001	GRAYSON	2-FS	3	3	3	3	3	10/16/2013	WAH, FC, PCR, SCR
Old Panther Creek 0.4 to 5.7	Green River	05110005	DAVIESS	5-NS	3	3	3	3	3	3/1/2003	WAH, FC, PCR, SCR
Old Panther Creek 5.7 to 8.8	Green River	05110005	DAVIESS	5-NS	3	3	3	3	3	3/1/2003	WAH, FC, PCR, SCR
Opossum Run 0 to 1.6	Green River	05110003	MUHLENBERG	2-FS	3	3	3	3	3	10/16/2013	WAH, FC, PCR, SCR
Otter Creek 0 to 6.3	Green River	05110006	HOPKINS	5-NS	3	3	3	3	3	3/1/2003	WAH, FC, PCR, SCR
Otter Creek 6.4 to 16.0	Green River	05110006	HOPKINS	5-NS	3	3	3	3	3	10/16/2013	WAH, FC, PCR, SCR
Panther Creek 0 to 3.6	Green River	05110003	BUTLER	5-PS	3	3	3	3	3	11/2/2008	WAH, FC, PCR, SCR
Panther Creek 0.1 to 3.0	Green River	05110005	DAVIESS	5-NS	5-NS	5-NS	3	3	3	11/1/2013	WAH, FC, PCR, SCR
Panther Creek 17.9 to 20.4	Green River	05110005	DAVIESS	5-NS	3	3	3	3	3	12/17/2002	WAH, FC, PCR, SCR
Panther Creek 3.0 to 5.9	Green River	05110005	DAVIESS	3	5-NS	3	3	3	3	3/1/2003	WAH, FC, PCR, SCR
Peter Creek 11.6 to 18.5	Green River	05110002	BARREN	2-FS	3	3	3	3	2-FS	11/12/2002	WAH, FC, PCR, SCR, OSRW
Pettys Fork 0.0 to 6.2	Green River	05110001	ADAIR	5-PS	4A-PS	4A-PS	3	3	3	10/30/2007	WAH, FC, PCR, SCR
Pigeon Creek 0 to 3.4	Green River	05110004	OHIO	5-PS	3	3	3	3	3	3/1/2003	WAH, FC, PCR, SCR
Pleasant Run 0 to 2.1	Green River	05110006	HOPKINS	4A-NS	4A-NS	4A-NS	3	3	3	11/1/2002	WAH, FC, PCR, SCR
Pleasant Run 2.1 to 7.8	Green River	05110006	HOPKINS	4A-NS	4A-NS	4A-NS	3	3	3	4/1/1998	WAH, FC, PCR, SCR
Plum Creek 0 to 1.65	Green River	05110003	MUHLENBERG	5-NS	5-PS	3	3	3	3	11/8/2013 - 11/25/2013	WAH, FC, PCR, SCR
Plum Creek 1.65 to 3.9	Green River	05110003	MUHLENBERG	5-NS	5-NS	5-NS	3	3	3	11/25/2013	WAH, FC, PCR, SCR

Waterbody & Segment	Basin	8-Digit HUC	County	WAH/CAH	PCR	SCR	FC	DWS	OSRW	Assessment Date	Designated Uses
Pond Creek 0 to 5.0	Green River	05110003	MUHLENBERG	2-FS	2-FS	2-FS	3	3	3	11/25/2013	WAH, FC, PCR, SCR
Pond Creek 11.7 to 14.4	Green River	05110003	MUHLENBERG	4A-NS	4A-NS	4A-NS	3	3	3	11/26/2013	WAH, FC, PCR, SCR
Pond Creek 14.4 to 18.1	Green River	05110003	MUHLENBERG	4A-NS	4A-NS	4A-NS	3	3	3	11/26/2013	WAH, FC, PCR, SCR
Pond Creek 18.1 to 18.7	Green River	05110003	MUHLENBERG	4A-NS	4A-NS	4A-NS	3	3	3	11/26/2013	WAH, FC, PCR, SCR
Pond Creek 5.0 to 7.5	Green River	05110003	MUHLENBERG	5-NS	5-PS	3	3	3	3	11/25/2013	WAH, FC, PCR, SCR
Pond Creek 7.5 to 11.7	Green River	05110003	MUHLENBERG	4A-NS	4A-PS	4A-NS	3	3	3	11/26/2013	WAH, FC, PCR, SCR
Pond Drain 0 to 2.3	Green River	05110006	MCLEAN	5-PS	3	3	3	3	3	3/1/2003	WAH, FC, PCR, SCR
Pond River 0 to 1.0	Green River	05110006	MCLEAN	3	2-FS	3	3	3	3	3/1/2003	WAH, FC, PCR, SCR
Pond River 1.0 to 20.8	Green River	05110006	HOPKINS	5-PS	2-FS	2-FS	3	3	3	11/26/2013	WAH, FC, PCR, SCR
Pond River 20.8 to 31.2	Green River	05110006	MUHLENBERG	5-PS	3	3	3	3	3	4/1/1998	WAH, FC, PCR, SCR
Pond River 57.7 to 61.2	Green River	05110006	MUHLENBERG	2-FS	2-FS	2-FS	3	3	3	11/26/2013 - 11/27/2013	WAH, FC, PCR, SCR
Pond River 61.2 to 71.4	Green River	05110006	CHRISTIAN	5-PS	2-FS	3	3	3	3	3/2/2003	WAH, FC, PCR, SCR
Pond Run 0 to 6.75	Green River	05110004	BRECKINRIDGE	2-FS	5-PS	3	3	3	2-FS	11/26/2013	WAH, FC, PCR, SCR, OSRW
Poplar Grove Branch 0 to 3.4	Green River	05110001	TAYLOR	3	4A-NS	3	3	3	3	3/1/2003	WAH, FC, PCR, SCR
Puncheon Creek 0 to 3.8	Green River	05110002	ALLEN	2-FS	3	3	3	3	3	3/1/2003	WAH, FC, PCR, SCR
Render Creek 0 to 3.6	Green River	05110003	OHIO	4A-NS	4A-NS	4A-NS	3	3	3	2/14/2006	WAH, FC, PCR, SCR
Rhodes Creek 0 to 1.9	Green River	05110005	DAVISS	5-PS	3	3	3	3	3	3/1/2003	WAH, FC, PCR, SCR
Rhodes Creek 0 to 2.2	Green River	05110005	DAVISS	5-NS	3	3	3	3	3	12/17/2002	WAH, FC, PCR, SCR
Rhodes Creek 2.2 to 7.5	Green River	05110005	DAVISS	5-NS	3	3	3	3	3	12/17/2002	WAH, FC, PCR, SCR

Waterbody & Segment	Basin	8-Digit HUC	County	WAH/CAH	PCR	SCR	FC	DWS	OSRW	Assessment Date	Designated Uses
Richland Slough 0 to 3.95	Green River	05110005	HENDERSON	5-NS	3	3	3	3	3	3/1/2003	WAH, FC, PCR, SCR
Robinson Creek 13.7 to 18.8	Green River	05110001	TAYLOR	2-FS	3	3	3	3	3	10/1/2007	WAH, FC, PCR, SCR
Robinson Creek 9.8 to 11.0	Green River	05110001	TAYLOR	5-PS	3	3	3	3	3	12/13/2007	WAH, FC, PCR, SCR
Rocky Creek 13.7 to 15.45	Green River	05110003	MUHLENBERG	5-NS	3	3	3	3	3	11/26/2013	WAH, FC, PCR, SCR
Rough River 0.1 to 10.45	Green River	05110004	OHIO	5-NS	5-PS	5-PS	3	3	3	11/27/2013	WAH, FC, PCR, SCR
Rough River 125.2 to 149.4	Green River	05110004	HARDIN	2-FS	5-PS	3	3	3	2-FS	11/27/2013	WAH, FC, PCR, SCR, OSRW
Rough River 27.2 to 28.9	Green River	05110004	OHIO	3	2-FS	3	3	3	3	3/1/2003	WAH, FC, PCR, SCR
Rough River 29.8 to 30.8	Green River	05110004	OHIO	3	3	3	3	2-FS	3	11/27/2013	WAH, FC, PCR, SCR, DWS
Rough River 55.1 to 64.5	Green River	05110004	OHIO	5-NS	5-NS	5-NS	3	3	3	11/27/2013	WAH, FC, PCR, SCR
Rough River 87.0 to 90.3	Green River	05110004	GRAYSON	2-FS	3	3	3	3	3	10/24/2007	WAH, FC, PCR, SCR
Rough River Reservoir	Green River	05110004	GRAYSON	2-FS	2-FS	2-FS	5-PS	2-FS	3	10/23/2007	WAH, FC, PCR, SCR, DWS
Round Stone Creek 0 to 10.2	Green River	05110001	HART	2-FS	3	3	3	3	3	3/1/2003	CAH, FC, PCR, SCR
Russell Creek 0 to 7.2	Green River	05110001	GREEN	2-FS	2-FS	3	3	3	2-FS	12/18/2007	WAH, FC, PCR, SCR, OSRW
Russell Creek 12.8 to 24.1	Green River	05110001	GREEN	2-FS	3	3	3	3	2-FS	3/1/2003	WAH, FC, PCR, SCR, OSRW
Russell Creek 24.1 to 41.0	Green River	05110001	ADAIR	2-FS	4A-NS	4A-PS	3	3	2-FS	11/27/2013	WAH, FC, PCR, SCR, OSRW
Russell Creek 41.0 to 42.2	Green River	05110001	ADAIR	2-FS	4A-NS	4A-NS	3	3	3	12/18/2007	WAH, FC, PCR, SCR
Russell Creek 42.2 to 60.35	Green River	05110001	ADAIR	2-FS	3	3	3	2-FS	2-FS	12/3/2013	WAH, FC, PCR, SCR, DWS, OSRW
Russell Creek 60.35 to 66.3	Green River	05110001	ADAIR	2-FS	4A-NS	4A-NS	3	3	2-FS	12/18/2007	WAH, FC, PCR, SCR, OSRW
Russell Creek 7.2 to 12.8	Green River	05110001	GREEN	2-FS	2-FS	2-FS	3	3	2-FS	11/27/2013	WAH, FC, PCR, SCR, OSRW

Waterbody & Segment	Basin	8-Digit HUC	County	WAH/CAH	PCR	SCR	FC	DWS	OSRW	Assessment Date	Designated Uses
Salem Lake	Green River	05110001	LARUE	2-FS	3	2-FS	3	3	3	11/14/2006	WAH, FC, PCR, SCR, DWS
Salt Lick Creek 0 to 1.4	Green River	05110002	WARREN	5-NS	3	3	3	3	3	3/1/2003	WAH, FC, PCR, SCR
Salt Lick Creek 0 to 3.7	Green River	05110003	MUHLENBERG	2-FS	5-PS	3	3	3	3	12/2/2013	WAH, FC, PCR, SCR
Salt Lick Creek 1.8 to 4.6	Green River	05110002	MONROE	2-FS	3	3	3	3	3	3/1/2003	WAH, FC, PCR, SCR
Sandlick Creek 0 to 4.05	Green River	05110003	MUHLENBERG	5-PS	5-PS	3	3	3	3	12/2/2013	WAH, FC, PCR, SCR
Shanty Hollow Lake	Green River	05110001	WARREN	2-FS	3	2-FS	3	3	3	11/14/2006	WAH, FC, PCR, SCR
Sixes Creek 0 to 5.6	Green River	05110003	OHIO	2-FS	3	3	3	3	2-FS	12/18/2007	WAH, FC, PCR, SCR, OSRW
Skaggs Creek 12.7 to 23.55	Green River	05110002	BARREN	2-FS	5-NS	3	3	3	3	12/3/2013	WAH, FC, PCR, SCR
Skees KW#1 (9000-1398)	Green River	05110001	HARDIN	5-PS	5-NS	3	3	3	3	1/25/2008	WAH, FC, PCR, SCR
Smith Creek 0 to 4.4	Green River	05110004	OHIO	2-FS	3	3	3	3	3	3/1/2003	WAH, FC, PCR, SCR
South Fork Green River 0 to 2.2	Green River	05110001	CASEY	2-FS	3	3	3	3	3	3/1/2001	WAH, FC, PCR, SCR
South Fork Green River 2.2 to 7.5	Green River	05110001	CASEY	2-FS	3	3	3	3	3	3/1/2003	WAH, FC, PCR, SCR
South Fork Nolin River 0 to 6.4	Green River	05110001	LARUE	2-FS	3	3	3	3	3	3/1/2001	WAH, FC, PCR, SCR
South Fork of Beaver Creek 0 to 3.2	Green River	05110002	BARREN	5-PS	3	3	3	3	3	10/22/2007	WAH, FC, PCR, SCR
South Fork of Little Barren River 0 to 23.1	Green River	05110001	METCALFE	2-FS	4A-NS	4A-NS	3	3	3	12/18/2007	WAH, FC, PCR, SCR
South Fork of Little Barren River 23.1 to 30.1	Green River	05110001	METCALFE	5-PS	4A-PS	2-FS	3	3	3	12/18/2007	WAH, FC, PCR, SCR
South Fork of Panther Creek 0 to 2.4	Green River	05110005	DAVISS	5-NS	2B(5)	3	3	3	3	12/3/2013	WAH, FC, PCR, SCR
South Fork of Panther Creek 14.0 to 18.3	Green River	05110005	OHIO	3	5-NS	3	3	3	3	3/1/2003	WAH, FC, PCR, SCR
South Fork of Panther Creek 2.4 to 9.55	Green River	05110005	DAVISS	5-NS	3	3	3	3	3	12/1/2001	WAH, FC, PCR, SCR

Waterbody & Segment	Basin	8-Digit HUC	County	WAH/CAH	PCR	SCR	FC	DWS	OSRW	Assessment Date	Designated Uses
South Fork of Panther Creek 9.55 to 14.0	Green River	05110005	OHIO	5-PS	5-NS	3	3	3	3	12/17/2002	WAH, FC, PCR, SCR
South Fork Russell Creek 0 to 6.4	Green River	05110001	GREEN	2-FS	2-FS	2-FS	3	3	3	12/19/2002 - 12/19/2007	WAH, FC, PCR, SCR
Spa Lake	Green River	05110003	LOGAN	2-FS	3	5-PS	3	3	3	4/15/2014	WAH, FC, PCR, SCR, DWS
Spurlington Lake (Sportsman Club Lake)	Green River	05110001	TAYLOR	5-PS	5-PS	5-PS	3	3	3	4/15/2014	WAH, FC, PCR, SCR
Sputzman Creek 1.3 to 4.4	Green River	05110005	HENDERSON	5-NS	3	3	3	3	3	12/3/2013	WAH, FC, PCR, SCR
Sulphur Branch 0 to 3.0	Green River	05110001	EDMONSON	2-FS	5-NS	3	3	3	2-FS	12/3/2013	WAH, FC, PCR, SCR, OSRW
Sulphur Creek 0 to 10.7	Green River	05110001	ADAIR	3	4A-PS	2-FS	3	3	3	12/19/2007	WAH, FC, PCR, SCR
Sulphur Creek 10.7 to 15.4	Green River	05110001	ADAIR	2-FS	3	3	3	3	3	12/19/2007	WAH, FC, PCR, SCR
Sulphur Fork Creek 0 to 5.3	Green River	05110002	SIMPSON	2-FS	3	3	3	3	3	3/1/2003	WAH, FC, PCR, SCR
Sulphur Fork Creek 5.3 to 7.9	Green River	05110002	SIMPSON	2-FS	3	3	3	3	3	3/1/2003	WAH, FC, PCR, SCR
Sunfish Creek 6.8 to 10.3	Green River	05110001	GRAYSON	5-PS	3	3	3	3	3	3/1/2003	WAH, FC, PCR, SCR
Sweepstakes Branch 1.0 to 4.0	Green River	05110005	DAVISS	5-PS	3	3	3	3	3	12/17/2002	WAH, FC, PCR, SCR
Sycamore Creek 0 to 1.6	Green River	05110001	EDMONSON	5-NS	3	3	3	3	3	3/1/2003	WAH, FC, PCR, SCR
Tampa Branch 0 to 3.35	Green River	05110001	HART	3	4A-NS	3	3	3	3	5/20/2013	WAH, FC, PCR, SCR
Taylor Fork 0 to 4.0	Green River	05110001	GRAYSON	5-NS	3	3	3	3	3	3/1/2003	WAH, FC, PCR, SCR
Thompson Branch 0 to 1.5	Green River	05110002	SIMPSON	2-FS	3	3	3	3	2-FS	9/13/2007	WAH, FC, PCR, SCR, OSRW
Threelick Fork 0 to 3.3	Green River	05110004	OHIO	5-NS	3	3	3	3	3	3/1/2003	WAH, FC, PCR, SCR
Town Branch 0 to 6.2	Green River	05110003	LOGAN	3	3	3	5-NS	3	3	12/19/2007	WAH, FC, PCR, SCR
Trammel Creek 0 to 24.0	Green River	05110002	WARREN	2-FS	5-PS	3	3	3	2-FS	12/4/2013	CAH, FC, PCR, SCR, OSRW

Waterbody & Segment	Basin	8-Digit HUC	County	WAH/CAH	PCR	SCR	FC	DWS	OSRW	Assessment Date	Designated Uses
Trammel Creek 24.0 to 30.6	Green River	05110002	ALLEN	2-FS	3	3	3	3	2-FS	11/12/2002	CAH, FC, PCR, SCR, OSRW
Tules Creek 5.2 to 13.5	Green River	05110004	BRECKINRIDGE	2-FS	3	3	3	3	3	3/1/2003	WAH, FC, PCR, SCR
Twomile Creek 0 to 4.7	Green River	05110005	DAVISS	2-FS	3	3	3	3	3	12/17/2002	WAH, FC, PCR, SCR
Upper Brush Creek 0 to 2.8	Green River	05110001	GREEN	3	2-FS	3	3	3	3	3/1/2003	WAH, FC, PCR, SCR
UT of Bacon Creek 0 to 2.4	Green River	05110001	LARUE	3	4A-NS	3	3	3	3	5/20/2013	WAH, FC, PCR, SCR
UT of Bacon Creek 0 to 3.8	Green River	05110001	HART	3	4A-NS	3	3	3	3	5/20/2013	WAH, FC, PCR, SCR
UT of Bat East Creek 0 to 1.9	Green River	05110003	MUHLENBERG	2-FS	5-PS	3	3	3	3	12/4/2013	WAH, FC, PCR, SCR
UT of Bat East Creek 0 to 3.3	Green River	05110003	MUHLENBERG	2-FS	5-NS	3	3	3	3	12/4/2013	WAH, FC, PCR, SCR
UT of Beaverdam Creek 0 to 1.3	Green River	05110001	EDMONSON	2-FS	3	3	3	3	3	10/29/2007	WAH, FC, PCR, SCR
UT of Big Run Branch 0 to 3.0	Green River	05110004	GRAYSON	2-FS	3	3	3	3	3	12/4/2013	WAH, FC, PCR, SCR
UT of Buck Creek 0 to 1.7	Green River	05110005	MCLEAN	3	5-NS	3	3	3	3	5/1/2014	WAH, FC, PCR, SCR
UT of Bull Run Creek 0.1 to 1.0	Green River	05110001	CASEY	2-FS	3	3	3	3	3	3/1/2003	WAH, FC, PCR, SCR
UT of Butler Branch 0 to 1.7	Green River	05110001	ADAIR	5-PS	3	3	3	3	3	3/1/2001	WAH, FC, PCR, SCR
UT of Caney Creek 0 to 2.3	Green River	05110003	MUHLENBERG	2-FS	5-NS	3	3	3	3	12/6/2013	WAH, FC, PCR, SCR
UT of Caney Creek 0 to 2.6	Green River	05110003	MUHLENBERG	2-FS	5-PS	3	3	3	3	12/6/2013	WAH, FC, PCR, SCR
UT of Caney Fork 0 to 1.4	Green River	05110001	CASEY	5-NS	3	3	3	3	3	12/6/2013	WAH, FC, PCR, SCR
UT of Cool Springs Creek 0 to 1.6	Green River	05110001	ADAIR	5-NS	3	3	3	3	3	3/1/2003	WAH, FC, PCR, SCR
UT of Craborchard Creek 0 to 1.1	Green River	05110006	HOPKINS	2-FS	3	3	3	3	3	9/30/2013	WAH, FC, PCR, SCR
UT of Cypress Creek 0 to 1.1	Green River	05110006	MUHLENBERG	5-NS	2-FS	3	3	3	3	1/15/2010	WAH, FC, PCR, SCR

Waterbody & Segment	Basin	8-Digit HUC	County	WAH/CAH	PCR	SCR	FC	DWS	OSRW	Assessment Date	Designated Uses
UT of Cypress Creek 0 to 1.45	Green River	05110006	MUHLENBERG	5-PS	4A-PS	3	3	3	3	1/15/2010	WAH, FC, PCR, SCR
UT of Cypress Creek 0 to 3.0	Green River	05110006	MUHLENBERG	3	4A-NS	3	3	3	3	1/14/2010	WAH, FC, PCR, SCR
UT of Cypress Creek 0 to 3.4	Green River	05110006	MUHLENBERG	5-NS	4A-NS	3	3	3	3	1/14/2010	WAH, FC, PCR, SCR
UT of Cypress Creek 0 to 8.1	Green River	05110006	MUHLENBERG	5-PS	3	3	3	3	3	10/31/2007	WAH, FC, PCR, SCR
UT of Dorsey Run 0 to 1.0	Green River	05110001	HARDIN	5-NS	3	3	3	3	3	11/14/2007	WAH, FC, PCR, SCR
UT of Drakes Creek 0 to 2.2	Green River	05110006	HOPKINS	5-PS	3	3	3	3	3	11/5/2007	WAH, FC, PCR, SCR
UT of Elk Creek 0 to 1.0	Green River	05110006	HOPKINS	3	5-NS	3	3	3	3	4/1/1998	WAH, FC, PCR, SCR
UT of EIK Creek 0 to 3.9	Green River	05110006	HOPKINS	5-PS	3	3	3	3	3	11/5/2006	WAH, FC, PCR, SCR
UT of Flat Creek 0 to 3.1	Green River	05110006	HOPKINS	5-NS	3	3	3	3	3	3/1/2003	WAH, FC, PCR, SCR
UT of Flat Creek 3.1 to 4.1	Green River	05110006	HOPKINS	3	5-NS	3	3	3	3	4/1/1998	WAH, FC, PCR, SCR
UT of Gasper River 0 to 3.1	Green River	05110002	LOGAN	2-FS	3	3	3	3	3	11/6/2007	WAH, FC, PCR, SCR
UT of Green River 0 to 0.9	Green River	05110001	CASEY	5-NS	3	3	3	3	3	12/6/2007	WAH, FC, PCR, SCR
UT of Green River 0 to 3.2	Green River	05110001	ADAIR	2-FS	3	3	3	3	2-FS	11/6/2007	WAH, FC, PCR, SCR, OSRW
UT of Hatter Creek 1.2 to 1.8	Green River	05110001	CASEY	2-FS	3	3	3	3	3	3/1/2003	WAH, FC, PCR, SCR
UT of Joes Branch 0 to 2.8	Green River	05110005	DAVISS	5-NS	3	3	3	3	3	11/6/2007	WAH, FC, PCR, SCR
UT of Little Cypress Creek 0 to 1.75	Green River	05110006	MUHLENBERG	5-NS	4A-NS	3	3	3	3	1/15/2010	WAH, FC, PCR, SCR
UT of Mays Run 0 to 0.4	Green River	05110004	HARDIN	2-FS	3	3	3	3	3	3/1/2003	WAH, FC, PCR, SCR
UT of McFarland Creek 0 to 1.2	Green River	05110006	CHRISTIAN	5-PS	3	3	3	3	3	12/9/2013	WAH, FC, PCR, SCR
UT of Middle Pitman Creek 0 to 0.6	Green River	05110001	TAYLOR	2-FS	3	3	3	3	3	3/1/2003	WAH, FC, PCR, SCR

Waterbody & Segment	Basin	8-Digit HUC	County	WAH/CAH	PCR	SCR	FC	DWS	OSRW	Assessment Date	Designated Uses
UT of Nolin River 0 to 0.4	Green River	05110001	EDMONSON	3	5-NS	5-NS	3	3	3	1/2/2008	WAH, FC, PCR, SCR
UT of Nolin River 0.15 to 0.9	Green River	05110001	HARDIN	5-NS	3	3	3	3	3	12/7/2007	WAH, FC, PCR, SCR
UT of North Fork of Panther Creek 0 to 0.6	Green River	05110005	DAVISS	5-NS	5-NS	3	3	3	3	12/9/2013	WAH, FC, PCR, SCR
UT of Plum Creek 0 to 2.45	Green River	05110003	MUHLENBERG	5-NS	5-NS	5-NS	3	3	3	12/9/2013	WAH, FC, PCR, SCR
UT of Pond Creek 0 to 1.4	Green River	05110003	MUHLENBERG	5-NS	2-FS	3	3	3	3	12/9/2013	WAH, FC, PCR, SCR
UT of Pond Creek 0 to 2.4	Green River	05110003	MUHLENBERG	5-NS	2-FS	3	3	3	3	1/7/2014	WAH, FC, PCR, SCR
UT of Pond Creek 2.4 to 4.2	Green River	05110003	MUHLENBERG	5-NS	5-NS	5-PS	3	3	3	1/7/2014	WAH, FC, PCR, SCR
UT of Pond Run 0 to 0.8	Green River	05110004	OHIO	2-FS	3	3	3	3	3	11/12/2002	WAH, FC, PCR, SCR
UT of Richland Creek 0 to 1.7	Green River	05110002	BUTLER	5-NS	3	3	3	3	3	12/13/2007	WAH, FC, PCR, SCR
UT of Shoemaker Branch 0 to 1.9	Green River	05110005	DAVISS	3	5-NS	3	3	3	3	1/7/2014	WAH, FC, PCR, SCR
UT of South Fork Russell Creek 0 to 0.6	Green River	05110001	GREEN	4A-NS	3	3	3	3	3	7/31/2002	WAH, FC, PCR, SCR
UT of Sputzman Creek 0 to 1.7	Green River	05110005	HENDERSON	5-NS	3	3	3	3	3	1/7/2014	WAH, FC, PCR, SCR
UT of Tallow Creek 0 to 1.7	Green River	05110001	TAYLOR	2-FS	3	3	3	3	3	12/21/2007	WAH, FC, PCR, SCR
UT of UT of Craborchard Creek 0 to 0.88	Green River	05110006	HOPKINS	2-FS	3	3	3	3	3	9/30/2013	WAH, FC, PCR, SCR
UT of UT of Little Cypress Creek 0 to 3.25	Green River	05110006	MUHLENBERG	5-NS	4A-NS	3	3	3	3	1/21/2010	WAH, FC, PCR, SCR
UT of UT of Little Cypress Creek 0.0 to 1.9	Green River	05110006	MUHLENBERG	5-NS	4A-NS	3	3	3	3	1/21/2010	WAH, FC, PCR, SCR
UT of UT of Rays Branch 0 to 0.25	Green River	05110002	WARREN	5-NS	5-NS	3	3	3	3	12/13/2007	WAH, FC, PCR, SCR
UT of Welch Creek 0 to 0.9	Green River	05110003	BUTLER	5-NS	5-NS	3	3	3	3	12/19/2007	WAH, FC, PCR, SCR
UT of West Bays Fork 0 to 1.0	Green River	05110002	ALLEN	5-PS	3	3	3	3	3	12/19/2007	WAH, FC, PCR, SCR

Waterbody & Segment	Basin	8-Digit HUC	County	WAH/CAH	PCR	SCR	FC	DWS	OSRW	Assessment Date	Designated Uses
UT of West Fork of Lewis Creek 0 to 2.2	Green River	05110003	OHIO	5-NS	3	3	3	3	3	3/1/2003	WAH, FC, PCR, SCR
UT of White Oak Creek 0 to 3.3	Green River	05110001	ADAIR	2-FS	3	3	3	3	2-FS	12/20/2007	WAH, FC, PCR, SCR, OSRW
UT of Wiggington Creek 0.9 to 1.9	Green River	05110002	LOGAN	5-NS	3	3	3	3	3	3/1/2003	WAH, FC, PCR, SCR
Valley Creek 0 to 3.6	Green River	05110001	HARDIN	5-PS	4A-NS	3	3	3	3	1/23/2008	WAH, FC, PCR, SCR
Valley Creek 10.8 to 12.6	Green River	05110001	HARDIN	3	4A-NS	3	3	3	3	3/1/2003	WAH, FC, PCR, SCR
Valley Creek 3.6 to 8.4	Green River	05110001	HARDIN	2-FS	3	3	3	3	3	1/8/2014	WAH, FC, PCR, SCR
Valley Creek 8.4 to 10.8	Green River	05110001	HARDIN	5-NS	3	3	3	3	3	3/1/2003	WAH, FC, PCR, SCR
Walters Creek 0 to 2.5	Green River	05110001	LARUE	2-FS	3	3	3	3	3	3/1/2003	WAH, FC, PCR, SCR
Welch Creek 0 to 13.95	Green River	05110003	BUTLER	2-FS	3	3	3	3	3	1/8/2014	WAH, FC, PCR, SCR
Welch Creek 13.95 to 18.3	Green River	05110003	BUTLER	5-NS	3	3	3	3	3	1/8/2014	WAH, FC, PCR, SCR
West Bays Fork 0 to 2.2	Green River	05110002	ALLEN	2-FS	3	3	3	3	3	1/10/2014	WAH, FC, PCR, SCR
West Fork Drakes Creek 0 to 23.3	Green River	05110002	WARREN	5-NS	5-NS	5-NS	5-PS	3	3	4/19/2011 - 1/10/2014	WAH, FC, PCR, SCR
West Fork Drakes Creek 26.7 to 32.1	Green River	05110002	SIMPSON	2-FS	3	3	5-PS	3	3	12/19/2007	WAH, FC, PCR, SCR
West Fork Drakes Creek Reservoir	Green River	05110002	SIMPSON	3	3	3	3	2-FS	3	1/29/2008	WAH, FC, PCR, SCR, DWS
West Fork of Buck Creek 0 to 3.3	Green River	05110005	MCLEAN	3	5-NS	3	3	3	3	5/1/2014	WAH, FC, PCR, SCR
West Fork of Pond River 1.6 to 8.6	Green River	05110006	HOPKINS	5-PS	2-FS	2-FS	3	3	3	3/26/2014	WAH, FC, PCR, SCR
West Fork of Pond River 20.3 to 26.0	Green River	05110006	CHRISTIAN	5-NS	3	3	3	3	5-NS	12/20/2007	WAH, FC, PCR, SCR, OSRW
West Fork of Pond River 8.7 to 20.3	Green River	05110006	CHRISTIAN	2-FS	2-FS	3	3	3	2-FS	11/12/2002	WAH, FC, PCR, SCR, OSRW
Wolf Branch Ditch 0 to 4.1	Green River	05110005	DAVISS	5-PS	3	3	3	3	3	12/17/2002	WAH, FC, PCR, SCR

Waterbody & Segment	Basin	8-Digit HUC	County	WAH/CAH	PCR	SCR	FC	DWS	OSRW	Assessment Date	Designated Uses
Wolf Lick Creek 0 to 14.6	Green River	05110003	LOGAN	5-NS	5-PS	3	3	3	3	1/13/2014	WAH, FC, PCR, SCR
Arnolds Creek 0 to 10.8	Kentucky River	05100205	GRANT	5-PS	5-NS	3	3	3	3	4/1/2014	WAH, FC, PCR, SCR
Back Creek 0 to 4.7	Kentucky River	05100205	GARRARD	2-FS	3	3	3	3	3	9/17/1999	WAH, FC, PCR, SCR
Backbone Creek 0 to 1.65	Kentucky River	05100205	FRANKLIN	2-FS	3	3	3	3	2-FS	1/27/2010	WAH, FC, PCR, SCR, OSRW
Bailey Run 0 to 2.9	Kentucky River	05100205	ANDERSON	5-PS	3	3	3	3	3	10/1/2004	WAH, FC, PCR, SCR
Balls Branch 0 to 4.9	Kentucky River	05100205	BOYLE	3	4A-NS	3	3	3	3	1/31/2008	WAH, FC, PCR, SCR
Balls Fork 8.3 to 11.3	Kentucky River	05100201	KNOTT	5-NS	3	3	3	3	3	9/17/1999	WAH, FC, PCR, SCR
Baughman Creek 0 to 4.6	Kentucky River	05100205	LINCOLN	3	4A-NS	3	3	3	3	2/1/2008	WAH, FC, PCR, SCR
Baughman Fork 0 to 2.7	Kentucky River	05100205	FAYETTE	4A-PS	3	3	2-FS	3	3	12/15/1999	WAH, FC, PCR, SCR
Baughman Fork 3.4 to 5.9	Kentucky River	05100205	FAYETTE	2-FS	3	3	2-FS	3	3	12/29/1999	WAH, FC, PCR, SCR
Beals Run 0 to 1.9	Kentucky River	05100205	WOODFORD	5-NS	3	3	3	3	3	3/3/2005	WAH, FC, PCR, SCR
Bear Branch 0.3 to 1.2	Kentucky River	05100201	PERRY	2-FS	3	3	3	3	2-FS	11/19/2009	WAH, FC, PCR, SCR, OSRW
Beech Fork 0 to 8.0	Kentucky River	05100202	LESLIE	2-FS	3	3	2-FS	3	3	12/29/1999	WAH, FC, PCR, SCR
Beech Fork Reservoir	Kentucky River	05100204	POWELL	3	3	3	3	2-FS	3	12/9/2009	WAH, FC, PCR, SCR, DWS
Benson Creek 0 to 4.6	Kentucky River	05100205	FRANKLIN	5-PS	3	3	3	3	3	7/23/1999	WAH, FC, PCR, SCR
Benson Creek 22.1 to 25.7	Kentucky River	05100205	ANDERSON	2-FS	3	3	3	3	3	9/17/1999	WAH, FC, PCR, SCR
Benson Creek 4.6 to 6.7	Kentucky River	05100205	FRANKLIN	5-PS	3	3	3	3	3	7/23/1999	WAH, FC, PCR, SCR
Benson Creek 6.7 to 13.4	Kentucky River	05100205	FRANKLIN	5-NS	3	3	3	3	3	7/23/1999	WAH, FC, PCR, SCR
Berea City Lakes (Lower Lake)	Kentucky River	05100205	MADISON	3	3	3	3	2-FS	3	12/9/2009	WAH, FC, PCR, SCR, DWS

Waterbody & Segment	Basin	8-Digit HUC	County	WAH/CAH	PCR	SCR	FC	DWS	OSRW	Assessment Date	Designated Uses
Berea City Lakes (Upper Lake)	Kentucky River	05100205	MADISON	3	3	3	3	2-FS	3	12/9/2009	WAH, FC, PCR, SCR, DWS
Big Calaboose Creek 0 to 2.2	Kentucky River	05100204	WOLFE	2-FS	3	3	3	3	3	3/6/2001	WAH, FC, PCR, SCR
Big Caney Creek 0.3 to 8.0	Kentucky River	05100201	BREATHITT	5-PS	3	3	3	3	3	10/25/1999	WAH, FC, PCR, SCR
Big Creek 0 to 3.1	Kentucky River	05100201	PERRY	3	3	3	3	3	3		WAH, FC, PCR, SCR
Big Creek 0 to 4.3	Kentucky River	05100203	LESLIE	2-FS	3	3	3	3	3	12/19/1999	CAH, FC, PCR, SCR
Big Dan Branch 0 to 1.4	Kentucky River	05100203	CLAY	2-FS	3	3	3	3	3	12/29/1999	WAH, FC, PCR, SCR
Big Double Creek 0 to 4.4	Kentucky River	05100203	CLAY	2-FS	3	3	3	3	2-FS	1/1/2004	WAH, FC, PCR, SCR, OSRW
Big Laurel Creek 3.6 to 6.4	Kentucky River	05100202	HARLAN	2-FS	3	3	3	3	3	10/4/2004	WAH, FC, PCR, SCR
Big Middle Fork Elisha Creek 0 to 1.5	Kentucky River	05100203	LESLIE	2-FS	3	3	3	3	3	1/1/2005	WAH, FC, PCR, SCR
Big Sinking Creek 3.6 to 6.0	Kentucky River	05100204	LEE	2-FS	3	3	3	3	3	11/19/2009	WAH, FC, PCR, SCR
Big Twin Creek 0 to 3.8	Kentucky River	05100205	OWEN	5-PS	3	3	3	3	3	7/23/1999	WAH, FC, PCR, SCR
Big Willard Creek 0 to 4.5	Kentucky River	05100201	PERRY	5-NS	3	3	3	3	3	9/15/1999	WAH, FC, PCR, SCR
Bill Branch 0 to 0.3	Kentucky River	05100202	HARLAN	2-FS	3	3	3	3	2-FS	1/1/2005	WAH, FC, PCR, SCR, OSRW
Bill Oak Branch 0 to 0.6	Kentucky River	05100203	OWSLEY	2-FS	3	3	3	3	2-FS	1/27/2010	WAH, FC, PCR, SCR, OSRW
Billey Fork 2.6 to 8.8	Kentucky River	05100204	LEE	2-FS	3	3	3	3	2-FS	10/4/2004	WAH, FC, PCR, SCR, OSRW
Black Creek 0 to 4.1	Kentucky River	05100204	POWELL	2-FS	3	3	3	3	3	3/6/2001	WAH, FC, PCR, SCR
Black John Branch 0 to 0.4	Kentucky River	05100201	KNOTT	5-NS	2-FS	3	3	3	3	10/28/2009	WAH, FC, PCR, SCR
Blair Branch 0 to 0.7	Kentucky River	05100201	KNOTT	5-NS	4A-NS	3	3	3	3	10/28/2009	WAH, FC, PCR, SCR
Blue Lick 0 to 4.1	Kentucky River	05100205	LINCOLN	3	4A-NS	3	3	3	3	2/1/2008	WAH, FC, PCR, SCR

Waterbody & Segment	Basin	8-Digit HUC	County	WAH/CAH	PCR	SCR	FC	DWS	OSRW	Assessment Date	Designated Uses
Bolen Branch 0 to 1.2	Kentucky River	05100201	KNOTT	2-FS	3	3	3	3	3	9/20/1999	WAH, FC, PCR, SCR
Bolz Lake	Kentucky River	05100205	GRANT	5-PS	3	2-FS	3	3	3	3/22/2004 - 12/7/2009	WAH, FC, PCR, SCR
Boone Creek 0 to 7.4	Kentucky River	05100205	CLARK	2-FS	3	3	3	3	3	3/4/2005	WAH, FC, PCR, SCR
Boone Creek 7.4 to 12.95	Kentucky River	05100205	FAYETTE	5-PS	5-NS	3	3	3	3	12/15/1999	WAH, FC, PCR, SCR
Boone Fork 1.0 to 2.7	Kentucky River	05100201	BREATHITT	2-FS	3	3	3	3	3	11/19/2009	WAH, FC, PCR, SCR
Bowen Creek 0 to 1.5	Kentucky River	05100203	LESLIE	5-PS	3	3	3	3	3	11/19/2009	WAH, FC, PCR, SCR
Breeding Creek 0.9 to 4.2	Kentucky River	05100201	KNOTT	5-NS	4A-NS	3	3	3	3	10/28/2009	WAH, FC, PCR, SCR
Brush Creek 0 to 6.7	Kentucky River	05100204	POWELL	5-PS	3	3	3	3	3	3/2/2001	WAH, FC, PCR, SCR
Brush Creek 0 to 9.8	Kentucky River	05100205	OWEN	2-FS	3	3	3	3	3	7/1/1999	WAH, FC, PCR, SCR
Buck Creek 0 to 2.3	Kentucky River	05100204	ESTILL	2-FS	3	3	3	3	3	9/20/1999	WAH, FC, PCR, SCR
Buck Creek 0 to 4.0	Kentucky River	05100203	OWSLEY	2-FS	3	3	3	3	3	7/22/1999	WAH, FC, PCR, SCR
Buck Creek Lake	Kentucky River	05130103	LINCOLN	3	3	3	3	2-FS	3	11/2/2009	WAH, FC, PCR, SCR, DWS
Buck Run 0 to 5.7	Kentucky River	05100205	OWEN	2-FS	3	3	3	3	3	1/1/2005	WAH, FC, PCR, SCR
Buckhorn Creek 0 to 2.4	Kentucky River	05100201	BREATHITT	2-FS	5-NS	3	3	3	3	2/3/2006	WAH, FC, PCR, SCR
Buckhorn Creek 2.4 to 6.8	Kentucky River	05100201	BREATHITT	5-PS	3	3	3	3	3	3/4/2005	WAH, FC, PCR, SCR
Buckhorn Lake	Kentucky River	05100202	PERRY	2-FS	3	2-FS	3	2-FS	3	1/13/2010	WAH, FC, PCR, SCR, DWS
Buffalo Creek 0 to 1.6	Kentucky River	05100203	OWSLEY	2-FS	3	3	3	3	2-FS	11/23/2009	WAH, FC, PCR, SCR, OSRW
Bull Creek 0 to 2.0	Kentucky River	05100203	KNOX	5-PS	3	3	3	3	3	7/22/1999	WAH, FC, PCR, SCR
Bull Creek 0 to 4.1	Kentucky River	05100202	LESLIE	2-FS	3	3	3	3	3	12/13/1999	WAH, FC, PCR, SCR

Waterbody & Segment	Basin	8-Digit HUC	County	WAH/CAH	PCR	SCR	FC	DWS	OSRW	Assessment Date	Designated Uses
Bullock Pen Creek 0 to 1.5	Kentucky River	05100205	GRANT	2-FS	3	3	3	3	3	7/22/1999	WAH, FC, PCR, SCR
Bullock Pen Lake	Kentucky River	05100205	GRANT	5-PS	3	2-FS	3	2-FS	3	11/2/2009	WAH, FC, PCR, SCR, DWS
Bullskin Creek 0 to 14.6	Kentucky River	05100203	CLAY	2-FS	3	3	3	3	3	11/19/2009	WAH, FC, PCR, SCR
Campton City Lake	Kentucky River	05100204	WOLFE	2-FS	3	2-FS	3	2-FS	3	11/2/2009	WAH, FC, PCR, SCR, DWS
Cane Creek 0 to 2.9	Kentucky River	05100204	POWELL	2-FS	4A-NS	3	2-FS	3	3	12/15/1999	WAH, FC, PCR, SCR
Cane Creek 0 to 9.6	Kentucky River	05100201	BREATHITT	2-FS	4A-NS	3	3	3	3	9/15/1999	WAH, FC, PCR, SCR
Cane Run 0 to 3.0	Kentucky River	05100205	SCOTT	5-NS	4A-NS	4A-PS	3	3	3	5/5/2009	WAH, FC, PCR, SCR
Cane Run 3.0 to 9.6	Kentucky River	05100205	SCOTT	5-NS	4A-NS	3	3	3	3	10/30/2009	WAH, FC, PCR, SCR
Cane Run 9.6 to 17.4	Kentucky River	05100205	FAYETTE	5-NS	4A-NS	4A-NS	3	3	3	1/1/1999 - 5/5/2009	WAH, FC, PCR, SCR
Caney Creek 0 to 1.5	Kentucky River	05100205	OWEN	5-PS	3	3	3	3	3	10/4/2004	WAH, FC, PCR, SCR
Canoe Creek 0 to 0.5	Kentucky River	05100202	BREATHITT	2-FS	3	3	3	3	3	9/30/2005	WAH, FC, PCR, SCR
Carr Fork 0 to 5.9	Kentucky River	05100201	PERRY	3	4A-PS	4A-PS	3	3	3	9/30/2005	WAH, FC, PCR, SCR
Carr Fork 15.6 to 26.4	Kentucky River	05100201	KNOTT	5-PS	5-NS	5-NS	3	3	3	8/19/2005 - 10/28/2009	WAH, FC, PCR, SCR
Carr Fork 6.2 to 8.9	Kentucky River	05100201	KNOTT	5-NS	5-NS	2-FS	3	3	3	8/18/2005 - 10/28/2009	WAH, FC, PCR, SCR
Carr Fork Reservoir	Kentucky River	05100201	KNOTT	2-FS	2-FS	2-FS	5-PS	3	3	1/12/2010	WAH, FC, PCR, SCR, DWS
Cat Creek 0 to 8.0	Kentucky River	05100204	POWELL	5-PS	3	3	3	3	3	3/4/2005	WAH, FC, PCR, SCR
Cavanaugh Creek 0 to 8.3	Kentucky River	05100204	JACKSON	2-FS	3	3	3	3	2-FS	11/23/2009	WAH, FC, PCR, SCR, OSRW
Cedar Cove Spring 0 to 0.35	Kentucky River	05100205	FRANKLIN	2-FS	3	3	3	3	3	11/23/2009	WAH, FC, PCR, SCR
Cedar Creek 0 to 0.5	Kentucky River	05100205	LINCOLN	4C-PS	3	3	3	3	3	11/23/2009	WAH, FC, PCR, SCR

Waterbody & Segment	Basin	8-Digit HUC	County	WAH/CAH	PCR	SCR	FC	DWS	OSRW	Assessment Date	Designated Uses
Cedar Creek 0 to 9.4	Kentucky River	05100205	OWEN	5-PS	2-FS	2-FS	3	3	3	1/1/2005	WAH, FC, PCR, SCR
Cedar Creek Lake	Kentucky River	05100205	LINCOLN	2-FS	3	2-FS	5-PS	3	3	12/4/2009	WAH, FC, PCR, SCR
Chambers Fork 0.7 to 1.1	Kentucky River	05100204	WOLFE	5-PS	3	3	3	3	3	10/4/2004	WAH, FC, PCR, SCR
Cherry Run 0 to 0.9	Kentucky River	05100205	SCOTT	2-FS	3	3	3	3	3	3/4/2005	WAH, FC, PCR, SCR
Chester Creek 0 to 2.8	Kentucky River	05100204	WOLFE	2-FS	3	3	3	3	2-FS	11/23/2009	WAH, FC, PCR, SCR, OSRW
Chimney Top Creek 0 to 4.6	Kentucky River	05100204	WOLFE	2-FS	3	3	3	3	3	11/23/2009	CAH, FC, PCR, SCR
Clarks Creek 0 to 5.2	Kentucky River	05100205	GRANT	2-FS	3	3	3	3	3	10/4/2004	WAH, FC, PCR, SCR
Clarks Run 0.7 to 4.4	Kentucky River	05100205	BOYLE	5-PS	4A-NS	3	3	3	3	11/23/2009	WAH, FC, PCR, SCR
Clarks Run 4.4 to 6.7	Kentucky River	05100205	BOYLE	2-FS	4A-NS	3	3	3	3	1/31/2002 - 11/23/2009	WAH, FC, PCR, SCR
Clarks Run 6.7 to 14.3	Kentucky River	05100205	BOYLE	5-PS	4A-NS	3	3	3	3	1/31/2008 - 11/23/2009	WAH, FC, PCR, SCR
Claylick Creek 0 to 2.3	Kentucky River	05100205	OWEN	2-FS	3	3	3	3	3	1/1/2000	WAH, FC, PCR, SCR
Clear Creek 0 to 4.1	Kentucky River	05100205	MADISON	5-PS	4A-NS	3	3	3	3	5/1/2014	WAH, FC, PCR, SCR
Clear Creek 0 to 9.0	Kentucky River	05100205	WOODFORD	2-FS	3	3	3	3	2-FS	11/23/2009	WAH, FC, PCR, SCR, OSRW
Clemons Fork 2.2 to 4.8	Kentucky River	05100201	BREATHITT	2-FS	3	3	3	3	2-FS	3/4/2005	WAH, FC, PCR, SCR, OSRW
Clifty Creek 0 to 2.0	Kentucky River	05100204	WOLFE	2-FS	3	3	3	3	3	3/6/2001	WAH, FC, PCR, SCR
Coles Fork 0 to 5.5	Kentucky River	05100201	KNOTT	2-FS	3	3	2-FS	3	2-FS	5/19/1998	WAH, FC, PCR, SCR, OSRW
Collins Fork 2.6 to 6.6	Kentucky River	05100203	CLAY	5-PS	3	3	3	3	3	12/13/1999	WAH, FC, PCR, SCR
Combs Lake	Kentucky River	05100203	CLAY	2-FS	3	2-FS	3	2-FS	3	12/4/2009	WAH, CAH, FC, PCR, SCR, DWS
Cope Fork 0 to 1.9	Kentucky River	05100201	BREATHITT	5-PS	3	3	3	3	3	9/15/1999	WAH, FC, PCR, SCR

Waterbody & Segment	Basin	8-Digit HUC	County	WAH/CAH	PCR	SCR	FC	DWS	OSRW	Assessment Date	Designated Uses
Copper Creek 0 to 2.2	Kentucky River	05100205	LINCOLN	3	4A-NS	3	3	3	3	2/4/2008	WAH, FC, PCR, SCR
Copper Creek 2.2 to 5.05	Kentucky River	05100205	ROCKCASTLE	2-FS	3	3	3	3	3	3/7/2004	WAH, FC, PCR, SCR
Corinth Lake	Kentucky River	05100205	GRANT	2-FS	3	2-FS	3	3	3	12/7/2009	WAH, FC, PCR, SCR
Cow Creek 0 to 2.7	Kentucky River	05100203	OWSLEY	2-FS	3	3	3	3	3	7/22/1999	WAH, FC, PCR, SCR
Cow Creek 0.0 to 2.8	Kentucky River	05100204	ESTILL	2-FS	3	3	2-FS	3	3	12/15/1999	WAH, FC, PCR, SCR
Cowbell Lake	Kentucky River	05100204	MADISON	3	3	3	3	2-FS	3	12/9/2009	WAH, FC, PCR, SCR, DWS
Craig Creek 0.1 to 4.0	Kentucky River	05100205	WOODFORD	2-FS	3	3	3	3	2-FS	9/20/2005	WAH, FC, PCR, SCR, OSRW
Crane Creek 0 to 5.4	Kentucky River	05100203	CLAY	5-PS	3	3	3	3	3	10/4/2004	WAH, FC, PCR, SCR
Crooked Creek 0 to 6.4	Kentucky River	05100204	ESTILL	2-FS	3	3	3	3	3	2/2/2000	WAH, FC, PCR, SCR
Crystal Creek 0 to 2.3	Kentucky River	05100204	LEE	5-PS	3	3	3	3	3	3/7/2004	WAH, FC, PCR, SCR
Cutshin Creek 9.8 to 10.7	Kentucky River	05100202	LESLIE	5-PS	3	3	3	3	3	3/7/2003	WAH, FC, PCR, SCR
David Fork 0 to 1.8	Kentucky River	05100205	FAYETTE	3	4A-NS	3	3	3	3	11/9/2009	WAH, FC, PCR, SCR
Deep Ford Branch 0.3 to 1.3	Kentucky River	05100202	LESLIE	2-FS	3	3	3	3	2-FS	1/27/2010	WAH, FC, PCR, SCR, OSRW
Defeated Creek 0.5 to 2.0	Kentucky River	05100201	KNOTT	5-NS	4A-NS	4A-NS	3	3	3	9/30/2005 - 10/28/2009	WAH, FC, PCR, SCR
Dix River 0 to 3.1	Kentucky River	05100205	GARRARD	2-FS	3	3	3	3	3	11/24/2009	CAH, FC, PCR, SCR
Dix River 33.3 to 36.1	Kentucky River	05100205	GARRARD	2-FS	4A-NS	2-FS	3	3	3	1/31/2008 - 12/14/2009	WAH, FC, PCR, SCR
Dix River 36.1 to 43.8	Kentucky River	05100205	GARRARD	3	4A-NS	3	3	3	3	1/31/2008	WAH, FC, PCR, SCR
Dix River 64.3 to 73.9	Kentucky River	05100205	LINCOLN	3	4A-NS	3	3	3	3	1/31/2008	WAH, FC, PCR, SCR
Dix River 73.9 to 79.3	Kentucky River	05100205	ROCKCASTLE	2-FS	4A-NS	3	3	3	3	1/31/2008 - 11/24/2009	WAH, FC, PCR, SCR

Waterbody & Segment	Basin	8-Digit HUC	County	WAH/CAH	PCR	SCR	FC	DWS	OSRW	Assessment Date	Designated Uses
Dog Fork 0 to 2.6	Kentucky River	05100204	WOLFE	2-FS	3	3	3	3	3	1/10/2000	CAH, FC, PCR, SCR
Drakes Creek 1.2 to 7.3	Kentucky River	05100205	LINCOLN	2-FS	4A-NS	3	3	3	3	4/1/1999 - 2/4/2008	WAH, FC, PCR, SCR
Drennon Creek 8.7 to 12.2	Kentucky River	05100205	HENRY	2-FS	3	3	3	3	2-FS	3/7/2005	WAH, FC, PCR, SCR, OSRW
Drowning Creek 0.05 to 9.3	Kentucky River	05100204	ESTILL	2-FS	3	3	3	3	3	11/24/2009	WAH, FC, PCR, SCR
Dry Run 0 to 3.1	Kentucky River	05100205	SCOTT	5-PS	3	3	3	3	3	12/16/1999	WAH, FC, PCR, SCR
Duck Fork 0 to 4.8	Kentucky River	05100204	LEE	5-PS	3	3	3	3	3	11/24/2009	WAH, FC, PCR, SCR
Dunbar Branch 0 to 2.6	Kentucky River	05100205	MADISON	5-PS	4A-NS	3	3	3	3	5/1/2014	WAH, FC, PCR, SCR
Eagle Creek 15.3 to 28.5	Kentucky River	05100205	MERCER	2-FS	2-FS	2-FS	3	3	3	2/22/2005 - 12/14/2009	WAH, FC, PCR, SCR
Eagle Creek 31.6 to 36.5	Kentucky River	05100205	GRANT	5-NS	3	3	3	3	3	2/3/2006	WAH, FC, PCR, SCR
Eagle Creek 50.8 to 58.5	Kentucky River	05100205	GRANT	5-PS	2-FS	2-FS	3	3	3	11/24/2009	WAH, FC, PCR, SCR
East Fork Indian Creek 0 to 9.1	Kentucky River	05100204	MENIFEE	2-FS	3	3	3	3	2-FS	11/24/2009	CAH, FC, PCR, SCR, OSRW
East Fork Mill Creek 0 to 3.1	Kentucky River	05100205	CARROLL	2-FS	3	3	3	3	3	7/23/1999	WAH, FC, PCR, SCR
East Fork Otter Creek 0 to 2.7	Kentucky River	05100205	MADISON	5-PS	3	3	3	3	3	12/17/1999	WAH, FC, PCR, SCR
East Hickman Creek 4.2 to 10.5	Kentucky River	05100205	FAYETTE	5-PS	5-NS	3	3	3	3	1/24/2000	WAH, FC, PCR, SCR
Edward Branch 0 to 1.7	Kentucky River	05100204	MENIFEE	2-FS	3	3	3	3	3	3/6/2001	WAH, FC, PCR, SCR
Elisha Creek 0.8 to 1.8	Kentucky River	05100203	LESLIE	2-FS	3	3	3	3	2-FS	3/4/2005	WAH, FC, PCR, SCR, OSRW
Elk Creek 0 to 1.6	Kentucky River	05100205	OWEN	5-PS	3	3	3	3	3	9/19/1999	WAH, FC, PCR, SCR
Elkhorn Creek 0 to 18.2	Kentucky River	05100205	FRANKLIN	2-FS	2-FS	2-FS	5-PS	3	3	3/1/2005 - 11/24/2009	WAH, FC, PCR, SCR
Elkhorn Creek 0.6 to 4.3	Kentucky River	05100202	LESLIE	2-FS	3	3	3	3	3	9/30/2005	WAH, FC, PCR, SCR

Waterbody & Segment	Basin	8-Digit HUC	County	WAH/CAH	PCR	SCR	FC	DWS	OSRW	Assessment Date	Designated Uses
Elmer Davis Lake	Kentucky River	05100205	OWEN	5-PS	3	2-FS	3	3	3	6/3/2004 - 12/7/2009	WAH, FC, PCR, SCR
Emily Run 0 to 3.9	Kentucky River	05100205	HENRY	2-FS	3	3	3	3	2-FS	4/1/1999	WAH, FC, PCR, SCR, OSRW
Evans Fork 0 to 3.0	Kentucky River	05100204	ESTILL	2-FS	3	3	3	3	2-FS	3/7/2005	WAH, FC, PCR, SCR, OSRW
Fall Lick 0 to 2.2	Kentucky River	05100205	LINCOLN	2-FS	3	3	3	3	3	11/24/2009	WAH, FC, PCR, SCR
Falling Rock Branch 0 to 0.7	Kentucky River	05100201	BREATHITT	2-FS	3	3	3	3	2-FS	3/7/2005	WAH, FC, PCR, SCR, OSRW
Fishpond Lake	Kentucky River	05100201	LETCHER	2-FS	3	2-FS	3	3	3	12/7/2009	WAH, CAH, FC, PCR, SCR
Five Mile Creek 0 to 2.7	Kentucky River	05100205	HENRY	2-FS	3	3	3	3	3	9/21/1999	WAH, FC, PCR, SCR
Flat Creek 0 to 7.1	Kentucky River	05100205	FRANKLIN	5-PS	3	3	3	3	3	4/1/1999	WAH, FC, PCR, SCR
Flaxpatch Branch 0.1 to 2.6	Kentucky River	05100201	KNOTT	5-NS	4A-NS	3	3	3	3	10/28/2009	WAH, FC, PCR, SCR
Four Mile Creek 0 to 7.4	Kentucky River	05100205	CLARK	3	3	3	3	3	3		WAH, FC, PCR, SCR
Freeman Fork 0 to 1.3	Kentucky River	05100202	BREATHITT	2-FS	3	3	3	3	3	12/17/1999	WAH, FC, PCR, SCR
Frog Branch 0 to 3.4	Kentucky River	05100205	LINCOLN	3	4A-NS	3	3	3	3	2/1/2008	WAH, FC, PCR, SCR
Frozen Creek 0 to 13.9	Kentucky River	05100201	BREATHITT	5-PS	3	3	3	3	3	10/4/2004	WAH, FC, PCR, SCR
Game Farm Lake	Kentucky River	05100205	FRANKLIN	3	3	3	2-FS	3	3	1/31/2008	WAH, FC, PCR, SCR
General Butler State Park Lake	Kentucky River	05100205	CARROLL	2-FS	3	2-FS	3	3	3	6/3/2004	WAH, FC, PCR, SCR
Gilberts Big Creek 0 to 6.2	Kentucky River	05100203	LESLIE	2-FS	3	3	3	3	3	9/21/1999	WAH, FC, PCR, SCR
Gilberts Creek 0 to 1.25	Kentucky River	05100205	LINCOLN	3	4A-NS	3	3	3	3	1/31/2008	WAH, FC, PCR, SCR
Gilberts Creek 0 to 2.6	Kentucky River	05100205	ANDERSON	2-FS	3	3	3	3	2-FS	9/20/2005	WAH, FC, PCR, SCR, OSRW
Gilmore Creek 0 to 5.0	Kentucky River	05100204	WOLFE	2-FS	3	3	3	3	3	3/7/2001	WAH, FC, PCR, SCR

Waterbody & Segment	Basin	8-Digit HUC	County	WAH/CAH	PCR	SCR	FC	DWS	OSRW	Assessment Date	Designated Uses
Gladie Creek 0.5 to 7.25	Kentucky River	05100204	MENIFEE	2-FS	3	3	3	3	2-FS	11/24/2009	CAH, FC, PCR, SCR, OSRW
Glenns Creek 0 to 5.4	Kentucky River	05100205	FRANKLIN	2-FS	3	3	3	3	3	7/22/1998	WAH, FC, PCR, SCR
Goose Creek 0 to 1.85	Kentucky River	05100205	SHELBY	5-PS	3	3	3	3	3	7/22/1999	WAH, FC, PCR, SCR
Goose Creek 0 to 8.3	Kentucky River	05100203	CLAY	2-FS	5-PS	2-FS	3	3	2-FS	3/7/2005 - 12/22/2009	WAH, FC, PCR, SCR, OSRW
Goose Creek 1.85 to 4.2	Kentucky River	05100205	SHELBY	5-PS	3	3	3	3	3	9/21/1999	WAH, FC, PCR, SCR
Goose Creek 18.9 to 19.9	Kentucky River	05100203	CLAY	3	3	3	3	2-FS	3	3/1/2005	WAH, FC, PCR, SCR, DWS
Granny's Branch 0 to 2.6	Kentucky River	05100203	CLAY	2-FS	3	3	3	3	3	1/10/2000	WAH, FC, PCR, SCR
Grapevine Creek 0 to 1.1	Kentucky River	05100201	PERRY	5-NS	3	3	3	3	3	9/13/1999	WAH, FC, PCR, SCR
Grassy Run 0 to 6.4	Kentucky River	05100205	GRANT	2-FS	3	3	3	3	3	9/16/1999	WAH, FC, PCR, SCR
Greasy Creek 0 to 10.0	Kentucky River	05100202	LESLIE	2-FS	3	3	3	3	3	12/13/1999	WAH, FC, PCR, SCR
Greasy Creek 12.1 to 22.6	Kentucky River	05100202	LESLIE	2-FS	3	3	3	3	3	9/29/1999	WAH, FC, PCR, SCR
Griers Creek 0 to 3.5	Kentucky River	05100205	WOODFORD	2-FS	3	3	3	3	2-FS	3/7/2005	WAH, FC, PCR, SCR, OSRW
Grindstone Creek 0.1 to 1.9	Kentucky River	05100205	FRANKLIN	2-FS	3	3	3	3	2-FS	3/22/2005	WAH, FC, PCR, SCR, OSRW
Hall Branch 0.7 to 1.2	Kentucky River	05100205	SCOTT	2-FS	3	3	3	3	3	10/4/2004	WAH, FC, PCR, SCR
Hammons Fork 0 to 4.9	Kentucky River	05100203	KNOX	2-FS	3	3	3	3	3	3/22/2005	WAH, FC, PCR, SCR
Hanging Fork Dix River 0 to 15.9	Kentucky River	05100205	LINCOLN	2-FS	4A-NS	3	3	3	3	12/17/1999 - 2/4/2008	WAH, FC, PCR, SCR
Hanging Fork Dix River 15.9 to 24.25	Kentucky River	05100205	LINCOLN	2-FS	4A-NS	3	3	3	3	7/22/1999 - 2/4/2008	WAH, FC, PCR, SCR
Hanging Fork Dix River 24.25 to 27.7	Kentucky River	05100205	LINCOLN	3	4A-NS	3	3	3	3	2/4/2008	WAH, FC, PCR, SCR
Hanging Fork Dix River 27.7 to 32.2	Kentucky River	05100205	LINCOLN	3	4A-NS	3	3	3	3	2/4/2008	WAH, FC, PCR, SCR

Waterbody & Segment	Basin	8-Digit HUC	County	WAH/CAH	PCR	SCR	FC	DWS	OSRW	Assessment Date	Designated Uses
Hardwick Creek 0 to 3.2	Kentucky River	05100204	POWELL	2-FS	4A-NS	3	3	3	2-FS	12/17/1999	WAH, FC, PCR, SCR, OSRW
Harris Creek 0 to 6.25	Kentucky River	05100205	LINCOLN	3	4A-NS	3	3	3	3	2/4/2008	WAH, FC, PCR, SCR
Harts Fork 3.1 to 4.1	Kentucky River	05100205	MADISON	3	3	3	3	3	3		WAH, FC, PCR, SCR
Hatcher Creek 0 to 1.2	Kentucky River	05100204	POWELL	2-FS	3	3	3	3	3	3/6/2001	WAH, FC, PCR, SCR
Hatton Creek 0 to 4.2	Kentucky River	05100204	POWELL	5-PS	3	3	3	3	3	3/2/2001	WAH, FC, PCR, SCR
Hawes Fork 0 to 4.4	Kentucky River	05100201	BREATHITT	5-NS	3	3	3	3	3	9/10/1999	WAH, FC, PCR, SCR
Hector Branch 0 to 5.5	Kentucky River	05100203	CLAY	5-PS	3	3	3	3	3	11/25/2009	WAH, FC, PCR, SCR
Hell Creek 0 to 3.5	Kentucky River	05100201	LEE	2-FS	3	3	3	3	3	8/1/2009	WAH, FC, PCR, SCR
Hell For Certain Creek 0 to 2.1	Kentucky River	05100202	LESLIE	2-FS	3	3	3	3	2-FS	11/25/2009	WAH, FC, PCR, SCR, OSRW
Hell for Certain Creek 2.1 to 4.9	Kentucky River	05100202	LESLIE	2-FS	3	3	3	3	3	11/25/2009	WAH, FC, PCR, SCR
Herrington Lake	Kentucky River	05100205	GARRARD	5-NS	2-FS	2-FS	5-PS	2-FS	3	3/18/2005	WAH, FC, PCR, SCR, DWS
Hickman Creek 0 to 6.0	Kentucky River	05100205	JESSAMINE	5-PS	3	3	3	3	3	2/3/2006	WAH, FC, PCR, SCR
Hickman Creek 6.0 to 25.5	Kentucky River	05100205	JESSAMINE	5-PS	3	3	3	3	3	10/4/2005	WAH, FC, PCR, SCR
Hickory Lick 0 to 2.9	Kentucky River	05100205	MADISON	5-PS	4A-NS	3	3	3	3	5/1/2014	WAH, FC, PCR, SCR
Hines Creek 0.1 to 1.9	Kentucky River	05100205	MADISON	2-FS	3	3	3	3	2-FS	3/22/2005	WAH, FC, PCR, SCR, OSRW
Holly Creek 0 to 6.2	Kentucky River	05100201	WOLFE	5-PS	3	3	3	3	3	11/25/2009	WAH, FC, PCR, SCR
Honey Branch 0 to 1.35	Kentucky River	05100202	LESLIE	2-FS	3	3	3	3	2-FS	3/1/2003	WAH, FC, PCR, SCR, OSRW
Hopper Cave Branch 0 to 1.8	Kentucky River	05100204	JACKSON	2-FS	3	3	3	3	2-FS	3/22/2005	WAH, FC, PCR, SCR, OSRW
Horse Creek 0 to 8.3	Kentucky River	05100203	CLAY	5-PS	3	3	3	3	3	10/4/2004	WAH, FC, PCR, SCR

Waterbody & Segment	Basin	8-Digit HUC	County	WAH/CAH	PCR	SCR	FC	DWS	OSRW	Assessment Date	Designated Uses
Hoys Fork 0 to 3.9	Kentucky River	05100204	ESTILL	2-FS	3	3	3	3	3	2/2/2000	WAH, FC, PCR, SCR
Hunting Creek 0 to 2.7	Kentucky River	05100201	BREATHITT	2-FS	3	3	3	3	3	4/1/1999	WAH, FC, PCR, SCR
Indian Creek 0 to 5.4	Kentucky River	05100205	CARROLL	2-FS	3	3	3	3	2-FS	3/22/2005	WAH, FC, PCR, SCR, OSRW
Indian Creek 1.25 to 2.6	Kentucky River	05100204	MENIFEE	2-FS	3	3	3	3	3	11/25/2009	CAH, FC, PCR, SCR
Indian Creek 2.6 to 7.8	Kentucky River	05100204	MENIFEE	2-FS	3	3	3	3	3	10/4/2004	CAH, FC, PCR, SCR
Indian Fork 0 to 3.3	Kentucky River	05100205	SHELBY	2-FS	3	3	3	3	2-FS	3/22/2005	WAH, FC, PCR, SCR, OSRW
Irishman Creek 0 to 4.3	Kentucky River	05100201	KNOTT	5-NS	4A-PS	3	3	3	3	10/28/2009	WAH, FC, PCR, SCR
Jessamine Creek 0 to 5.4	Kentucky River	05100205	JESSAMINE	2-FS	3	3	3	3	2-FS	7/1/1998	WAH, FC, PCR, SCR, OSRW
John Carpenter Fork 0 to 1.2	Kentucky River	05100201	BREATHITT	2-FS	3	3	3	3	2-FS	3/22/2005	WAH, FC, PCR, SCR, OSRW
John Littles Branch 0 to 1.7	Kentucky River	05100201	BREATHITT	2-FS	3	3	3	3	3	9/18/2007	WAH, FC, PCR, SCR
Johnson Fork 0 to 0.5	Kentucky River	05100204	WOLFE	5-PS	3	3	3	3	3	10/4/2004	WAH, FC, PCR, SCR
Joyce Fork 0 to 1.2	Kentucky River	05100203	OWSLEY	2-FS	3	3	3	3	3	11/25/2009	WAH, FC, PCR, SCR
Judy Creek 0 to 1.5	Kentucky River	05100204	POWELL	5-NS	3	3	3	3	3	3/2/2001	WAH, FC, PCR, SCR
Judy Creek 1.5 to 3.4	Kentucky River	05100204	POWELL	2-FS	3	3	3	3	3	9/29/1999	WAH, FC, PCR, SCR
Katies Creek 0 to 4.05	Kentucky River	05100203	CLAY	2-FS	3	3	3	3	2-FS	11/25/2009	WAH, FC, PCR, SCR, OSRW
Keens Fork 0 to 2.3	Kentucky River	05100203	CLAY	2-FS	3	3	3	3	3	5/1/1994	WAH, FC, PCR, SCR
Kentucky River 0 to 11.3	Kentucky River	05100205	HENRY	3	3	3	5-NS	3	3	3/9/2005	WAH, FC, PCR, SCR
Kentucky River 120.8 to 121.1	Kentucky River	05100205	MERCER	3	3	3	3	2-FS	3	12/15/2009	WAH, FC, PCR, SCR, DWS
Kentucky River 121.1 to 138.5	Kentucky River	05100205	GARRARD	2-FS	2-FS	2-FS	5-PS	3	3	12/15/2009	WAH, FC, PCR, SCR

Waterbody & Segment	Basin	8-Digit HUC	County	WAH/CAH	PCR	SCR	FC	DWS	OSRW	Assessment Date	Designated Uses
Kentucky River 145.0 to 146.0	Kentucky River	05100205	GARRARD	3	3	3	3	2-FS	3	12/15/2009	WAH, FC, PCR, SCR, DWS
Kentucky River 153.75 to 209.8	Kentucky River	05100204	MADISON	2-FS	2-FS	2-FS	5-PS	2-FS	3	12/15/2009	WAH, FC, PCR, SCR, DWS
Kentucky River 17.4 to 53.2	Kentucky River	05100205	HENRY	2-FS	2-FS	3	2-FS	3	3	3/3/2005 - 12/14/2009	WAH, FC, PCR, SCR
Kentucky River 223.1 to 224.1	Kentucky River	05100204	ESTILL	3	3	3	3	2-FS	3	11/2/2009	WAH, FC, PCR, SCR, DWS
Kentucky River 225.7 to 253.4	Kentucky River	05100204	ESTILL	3	3	3	2-FS	3	3	3/10/2005	WAH, FC, PCR, SCR
Kentucky River 53.2 to 66.9	Kentucky River	05100205	FRANKLIN	2-FS	2-FS	2-FS	5-PS	2-FS	3	2/22/2005 - 12/14/2009	WAH, FC, PCR, SCR, DWS
Kentucky River 67.0 to 84.25	Kentucky River	05100205	FRANKLIN	2-FS	2-FS	3	5-PS	2-FS	3	12/14/2009	WAH, FC, PCR, SCR, DWS
Kentucky River 85.9 to 88.5	Kentucky River	05100205	WOODFORD	3	3	3	3	2-FS	3	12/14/2009	WAH, FC, PCR, SCR, DWS
Kentucky River 99.1 to 119.9	Kentucky River	05100205	JESSAMINE	3	3	3	5-PS	2-FS	3	12/14/2009	WAH, FC, PCR, SCR, DWS
Knob Lick Branch 0 to 2.8	Kentucky River	05100204	ESTILL	2-FS	3	3	3	3	3	10/6/2004	WAH, FC, PCR, SCR
Knoblick Creek 0 to 4.8	Kentucky River	05100205	LINCOLN	2-FS	4A-NS	3	3	3	3	7/22/1999 - 2/4/2008	WAH, FC, PCR, SCR
Lacy Creek 0 to 7.25	Kentucky River	05100204	WOLFE	5-PS	3	3	3	3	3	3/22/2005	WAH, FC, PCR, SCR
Lake Reba	Kentucky River	05100205	MADISON	5-PS	3	2-FS	3	3	3	12/7/2009	WAH, FC, PCR, SCR
Lake Vega	Kentucky River	05100205	MADISON	3	3	3	3	2-FS	3	12/9/2009	WAH, FC, PCR, SCR, DWS
Lanes Run 0 to 0.5	Kentucky River	05100205	SCOTT	3	5-NS	3	3	3	3	2/6/2006	WAH, FC, PCR, SCR
Laurel Creek 3.2 to 4.7	Kentucky River	05100203	CLAY	5-PS	3	3	3	3	3	9/29/1999	WAH, FC, PCR, SCR
Laurel Fork 0 to 4.2	Kentucky River	05100203	OWSLEY	2-FS	3	3	3	3	2-FS	11/25/2009	WAH, FC, PCR, SCR, OSRW
Leatherwood Creek 0 to 4.2	Kentucky River	05100201	BREATHITT	2-FS	3	3	3	3	3	8/1/1998	WAH, FC, PCR, SCR
Leatherwood Creek 0.6 to 8.6	Kentucky River	05100201	PERRY	2-FS	2-FS	3	3	3	3	12/21/1999	WAH, FC, PCR, SCR

Waterbody & Segment	Basin	8-Digit HUC	County	WAH/CAH	PCR	SCR	FC	DWS	OSRW	Assessment Date	Designated Uses
Leatherwood Creek 1.55 to 3.1	Kentucky River	05100202	PERRY	5-PS	3	3	3	3	3	11/25/2009	WAH, FC, PCR, SCR
LeComptes Run 0 to 1.9	Kentucky River	05100205	SCOTT	2-FS	3	3	3	3	3	12/17/1999	WAH, FC, PCR, SCR
Lee Branch 0 to 1.0	Kentucky River	05100205	WOODFORD	3	4A-NS	3	3	3	3	11/9/2009	WAH, FC, PCR, SCR
Left Fork Big Double Creek 0 to 1.5	Kentucky River	05100203	CLAY	2-FS	3	3	3	3	2-FS	3/22/2005	WAH, FC, PCR, SCR, OSRW
Left Fork Buffalo Creek 0 to 3.1	Kentucky River	05100203	OWSLEY	2-FS	3	3	3	3	3	12/14/1999	WAH, FC, PCR, SCR
Left Fork Elisha Creek 0 to 3.9	Kentucky River	05100203	LESLIE	2-FS	3	3	3	3	3	3/22/2005	WAH, FC, PCR, SCR
Left Fork Island Creek 0 to 5.0	Kentucky River	05100203	OWSLEY	5-PS	3	3	3	3	3	4/1/1999	WAH, FC, PCR, SCR
Left Fork Millstone Creek 1.6 to 2.9	Kentucky River	05100201	LETCHER	5-NS	3	3	3	3	3	3/22/2005 - 2/10/2010	WAH, FC, PCR, SCR
Lexington Reservoir No. 4 (Jacobson Reservoir)	Kentucky River	05100205	FAYETTE	3	3	3	3	2-FS	3	12/9/2009	WAH, FC, PCR, SCR, DWS
Lick Creek 0 to 5.4	Kentucky River	05100205	CARROLL	5-PS	3	3	3	3	3	10/6/2004	WAH, FC, PCR, SCR
Line Fork 12.2 to 28.6	Kentucky River	05100201	LETCHER	2-FS	5-PS	3	3	3	2-FS	4/1/1998	WAH, FC, PCR, SCR, OSRW
Line Fork 9.3 to 12.2	Kentucky River	05100201	LETCHER	5-PS	3	3	3	3	3	10/6/2004	WAH, FC, PCR, SCR
Little Carr Fork 0 to 4.8	Kentucky River	05100201	KNOTT	5-NS	4A-NS	3	3	3	3	10/29/2009	WAH, FC, PCR, SCR
Little Goose Creek 0 to 7.6	Kentucky River	05100203	CLAY	3	3	3	3	3	3		WAH, FC, PCR, SCR
Little Middle Fork Elisha Creek 0 to 0.75	Kentucky River	05100203	LESLIE	2-FS	3	3	3	3	2-FS	3/22/2005	WAH, FC, PCR, SCR, OSRW
Little Millseat Branch 0 to 1.2	Kentucky River	05100201	BREATHITT	2-FS	3	3	3	3	2-FS	3/22/2005	WAH, FC, PCR, SCR, OSRW
Little Negro Creek 0 to 2.45	Kentucky River	05100205	ROCKCASTLE	2-FS	3	3	3	3	3	11/25/2009	WAH, FC, PCR, SCR
Little Sexton Creek 0 to 2.8	Kentucky River	05100203	CLAY	2-FS	3	3	3	3	3	4/1/1999	WAH, FC, PCR, SCR
Little Sinking Creek 0 to 4.6	Kentucky River	05100204	LEE	2-FS	3	3	3	3	3	9/30/1999	WAH, FC, PCR, SCR

Waterbody & Segment	Basin	8-Digit HUC	County	WAH/CAH	PCR	SCR	FC	DWS	OSRW	Assessment Date	Designated Uses
Little Sixmile Creek 0 to 5.3	Kentucky River	05100205	HENRY	2-FS	3	3	3	3	2-FS	3/22/2005	WAH, FC, PCR, SCR, OSRW
Little Smith Branch 0.3 to 1.4	Kentucky River	05100201	KNOTT	5-NS	4A-NS	3	3	3	3	10/29/2009	WAH, FC, PCR, SCR
Little Sturgeon Creek 0 to 3.0	Kentucky River	05100204	OWSLEY	2-FS	3	3	3	3	3	11/25/2009	WAH, FC, PCR, SCR
Little Sturgeon Creek 3.0 to 5.5	Kentucky River	05100204	OWSLEY	2-FS	3	3	3	3	3	11/25/2009	WAH, FC, PCR, SCR
Little Sturgeon Creek 5.5 to 7.8	Kentucky River	05100204	OWSLEY	2-FS	3	3	3	3	3	11/25/2009	WAH, FC, PCR, SCR
Little Willard Creek 0 to 2.5	Kentucky River	05100201	PERRY	5-NS	3	3	3	3	3	10/6/2004	WAH, FC, PCR, SCR
Log Lick Creek 0 to 2.7	Kentucky River	05100204	CLARK	3	3	3	3	3	3		WAH, FC, PCR, SCR
Logan Creek 0 to 3.15	Kentucky River	05100205	LINCOLN	2-FS	4A-NS	3	3	3	3	10/4/2005	WAH, FC, PCR, SCR
Long Fork 0 to 2.0	Kentucky River	05100203	CLAY	2-FS	3	3	3	3	3	9/30/1999	WAH, FC, PCR, SCR
Long Fork 0 to 4.6	Kentucky River	05100201	BREATHITT	5-PS	3	3	3	3	3	3/22/2005	WAH, FC, PCR, SCR
Lost Creek 0 to 3.7	Kentucky River	05100201	BREATHITT	2-FS	5-NS	2-FS	3	3	3	2/22/2005	WAH, FC, PCR, SCR
Lost Creek 3.7 to 8.95	Kentucky River	05100201	BREATHITT	5-NS	3	3	3	3	3	2/6/2006	WAH, FC, PCR, SCR
Lotts Creek 0.4 to 1.0	Kentucky River	05100201	KNOTT	5-PS	3	3	3	3	3	10/6/2004	WAH, FC, PCR, SCR
Lotts Creek 1.2 to 6.1	Kentucky River	05100201	PERRY	5-NS	3	3	3	3	3	2/6/2006	WAH, FC, PCR, SCR
Low Gap Branch 0 to 0.8	Kentucky River	05100201	LETCHER	2-FS	3	3	3	3	3	11/30/2009	WAH, FC, PCR, SCR
Lower Buffalo Creek 0 to 2.4	Kentucky River	05100203	OWSLEY	2-FS	3	3	3	3	3	11/30/2009	WAH, FC, PCR, SCR
Lower Cane Creek 0 to 4.1	Kentucky River	05100204	POWELL	2-FS	4A-NS	3	3	3	3	11/9/2009	WAH, FC, PCR, SCR
Lower Devil Creek 0 to 4.65	Kentucky River	05100201	LEE	2-FS	3	3	3	3	3	11/30/2009	WAH, FC, PCR, SCR
Lower Hood Branch 0 to 1.5	Kentucky River	05100204	POWELL	2-FS	3	3	3	3	3	1/11/1998	WAH, FC, PCR, SCR

Waterbody & Segment	Basin	8-Digit HUC	County	WAH/CAH	PCR	SCR	FC	DWS	OSRW	Assessment Date	Designated Uses
Lower Howard Creek 0 to 2.7	Kentucky River	05100205	CLARK	2-FS	3	3	3	3	2-FS	1/27/2010	WAH, FC, PCR, SCR, OSRW
Lower Howard Creek 2.7 to 6.5	Kentucky River	05100205	CLARK	5-NS	3	3	3	3	5-NS	12/17/1999	WAH, FC, PCR, SCR, OSRW
Lower Thomas Lake	Kentucky River	05100205	OWEN	3	3	3	3	2-FS	3	3/23/2005	WAH, FC, PCR, SCR, DWS
Lulbegrud Creek 0 to 7.3	Kentucky River	05100204	CLARK	5-PS	3	3	2-FS	3	5-PS	12/17/1999	WAH, FC, PCR, SCR, OSRW
Lulbegrud Creek 17.2 to 22.2	Kentucky River	05100204	MONTGOMERY	3	3	3	3	3	3		WAH, FC, PCR, SCR
Lulbegrud Creek 7.3 to 17.2	Kentucky River	05100204	POWELL	2-FS	3	3	3	3	3	2/28/2001	WAH, FC, PCR, SCR
Lytles Fork 0 to 14.7	Kentucky River	05100205	SCOTT	2-FS	3	3	3	3	3	3/22/2005	WAH, FC, PCR, SCR
Maces Creek 0 to 0.2	Kentucky River	05100201	PERRY	2-FS	2-FS	3	3	3	3	12/21/1999	WAH, FC, PCR, SCR
Marble Creek 0.05 to 3.9	Kentucky River	05100205	JESSAMINE	5-PS	3	3	3	3	3	11/30/2009	WAH, FC, PCR, SCR
McConnell Run 0 to 4.4	Kentucky River	05100205	SCOTT	5-PS	3	3	3	3	3	12/17/1999	WAH, FC, PCR, SCR
McKinney Branch 0 to 1.9	Kentucky River	05100205	LINCOLN	3	4A-NS	3	3	3	3	2/1/2008	WAH, FC, PCR, SCR
Meadow Creek 0.5 to 3.7	Kentucky River	05100203	OWSLEY	5-PS	3	3	3	3	3	10/6/2004	WAH, FC, PCR, SCR
Middle Fork Kentucky River 36.9 to 43.8	Kentucky River	05100202	PERRY	2-FS	2-FS	2-FS	3	3	3	3/3/2005	WAH, FC, PCR, SCR, DWS
Middle Fork Kentucky River 6.45 to 12.6	Kentucky River	05100202	LEE	2-FS	5-PS	2-FS	3	3	2-FS	12/22/2009	WAH, FC, PCR, SCR, DWS, OSRW
Middle Fork Kentucky River 62.5 to 65.4	Kentucky River	05100202	LESLIE	2-FS	5-NS	5-NS	3	3	3	8/16/2005	WAH, FC, PCR, SCR, DWS
Middle Fork Kentucky River 67.9 to 74.6	Kentucky River	05100202	LESLIE	5-PS	5-PS	2-FS	3	3	3	3/3/2005	WAH, FC, PCR, SCR
Middle Fork Kentucky River 74.6 to 75.2	Kentucky River	05100202	LESLIE	3	3	3	3	2-FS	3	3/11/2005	WAH, FC, PCR, SCR, DWS
Middle Fork Kentucky River 75.2 to 85.4	Kentucky River	05100202	LESLIE	2-FS	3	3	3	3	2-FS	3/22/2005	WAH, FC, PCR, SCR, DWS, OSRW

Waterbody & Segment	Basin	8-Digit HUC	County	WAH/CAH	PCR	SCR	FC	DWS	OSRW	Assessment Date	Designated Uses
Middle Fork Quicksand Creek 0 to 10.0	Kentucky River	05100201	KNOTT	2-FS	3	3	3	3	3	9/20/1999	WAH, FC, PCR, SCR
Middle Fork Red River 13.0 to 15.4	Kentucky River	05100204	WOLFE	2-FS	3	3	3	3	3	3/23/2005	WAH, FC, PCR, SCR
Middle Fork Red River 5.85 to 7.3	Kentucky River	05100204	POWELL	2-FS	3	3	3	3	2-FS	11/30/2009	WAH, FC, PCR, SCR, OSRW
Middle Fork Red River 8.9 to 13.0	Kentucky River	05100204	WOLFE	2-FS	3	3	3	3	3	11/30/2009	CAH, FC, PCR, SCR
Middle Fork Right Fork Cane Creek 0 to 2.8	Kentucky River	05100204	POWELL	3	4A-NS	3	3	3	3	11/9/2009	WAH, FC, PCR, SCR
Mike Branch 0 to 0.7	Kentucky River	05100203	OWSLEY	2-FS	3	3	3	3	2-FS	1/27/2010	WAH, FC, PCR, SCR, OSRW
Mill Creek 0 to 3.3	Kentucky River	05100201	LETCHER	5-NS	3	3	3	3	3	10/7/2004	WAH, FC, PCR, SCR
Mill Creek 0 to 5.7	Kentucky River	05100205	CARROLL	2-FS	3	3	3	3	3	4/1/1999	WAH, FC, PCR, SCR
Mill Creek 0.5 to 8.3	Kentucky River	05100205	OWEN	2-FS	3	3	3	3	2-FS	3/23/2005	WAH, FC, PCR, SCR, OSRW
Mill Creek Lake	Kentucky River	05100204	POWELL	2-FS	3	2-FS	3	2-FS	3	12/7/2009	WAH, CAH, FC, PCR, SCR, DWS
Millers Creek 0.0 to 6.4	Kentucky River	05100204	ESTILL	2-FS	2-FS	3	3	3	3	12/17/1999	WAH, FC, PCR, SCR
Millseat Branch 0 to 1.85	Kentucky River	05100201	BREATHITT	2-FS	3	3	3	3	2-FS	3/23/2005	WAH, FC, PCR, SCR, OSRW
Mocks Branch 1.6 to 5.7	Kentucky River	05100205	BOYLE	5-PS	3	3	3	3	3	3/11/2005	WAH, FC, PCR, SCR
Morris Creek 0.1 to 3.7	Kentucky River	05100204	POWELL	3	3	3	3	3	3		WAH, FC, PCR, SCR
Moseby Branch 0 to 2.2	Kentucky River	05100205	OWEN	5-NS	3	3	3	3	3	9/16/1999	WAH, FC, PCR, SCR
Muddy Creek 0 to 20.6	Kentucky River	05100205	MADISON	2-FS	4A-NS	3	2-FS	3	2-FS	12/1/1999	WAH, FC, PCR, SCR, OSRW
Muddy Creek 20.65 to 31.3	Kentucky River	05100205	MADISON	5-NS	4A-NS	3	3	3	3	5/2/2014	WAH, FC, PCR, SCR
Muncy Creek 2.8 to 4.8	Kentucky River	05100202	LESLIE	5-NS	3	3	3	3	3	9/30/2004	WAH, FC, PCR, SCR
Musselman Creek 0 to 9.0	Kentucky River	05100205	GRANT	2-FS	3	3	3	3	2-FS	3/23/2005	WAH, FC, PCR, SCR, OSRW

Waterbody & Segment	Basin	8-Digit HUC	County	WAH/CAH	PCR	SCR	FC	DWS	OSRW	Assessment Date	Designated Uses
Negro Creek 0.8 to 2.9	Kentucky River	05100205	ROCKCASTLE	2-FS	3	3	3	3	3	11/30/2009	WAH, FC, PCR, SCR
Noland Creek 0.05 to 1.2	Kentucky River	05100204	ESTILL	5-PS	3	3	3	3	3	3/11/2005	WAH, FC, PCR, SCR
North Benson Creek 0.8 to 1.9	Kentucky River	05100205	FRANKLIN	5-PS	3	3	3	3	3	4/1/1999	WAH, FC, PCR, SCR
North Branch Lulbehrud Creek 0 to 2.4	Kentucky River	05100204	CLARK	2-FS	3	3	3	3	3	3/2/2001	WAH, FC, PCR, SCR
North Elkhorn Creek 0.7 to 7.4	Kentucky River	05100205	FRANKLIN	2-FS	3	3	3	3	3	7/24/2003	WAH, FC, PCR, SCR
North Elkhorn Creek 33.7 to 34.7	Kentucky River	05100205	SCOTT	3	3	3	3	2-FS	3	3/11/2005	WAH, FC, PCR, SCR, DWS
North Elkhorn Creek 44.75 to 66.0	Kentucky River	05100205	FAYETTE	5-PS	3	3	3	3	3	10/30/2009	WAH, FC, PCR, SCR
North Elkhorn Creek 66.0 to 73.75	Kentucky River	05100205	FAYETTE	5-PS	4A-NS	3	3	3	3	10/4/2005	WAH, FC, PCR, SCR
North Fork Kentucky River 0 to 1.3	Kentucky River	05100204	LEE	3	4A-NS	3	3	3	3	11/1/2004	WAH, FC, PCR, SCR, DWS
North Fork Kentucky River 1.3 to 2.3	Kentucky River	05100201	LEE	3	4A-NS	3	3	2-FS	3	11/2/2009	WAH, FC, PCR, SCR, DWS
North Fork Kentucky River 104.1 to 105.1	Kentucky River	05100201	PERRY	3	4A-NS	3	3	2-FS	3	1/4/2010	WAH, FC, PCR, SCR, DWS
North Fork Kentucky River 105.1 to 110.9	Kentucky River	05100201	PERRY	3	4A-NS	3	3	3	3	11/1/2001	WAH, FC, PCR, SCR, DWS
North Fork Kentucky River 110.9 to 125.0	Kentucky River	05100201	PERRY	2-FS	4A-NS	3	3	3	3	1/5/2010	WAH, FC, PCR, SCR
North Fork Kentucky River 125.0 to 131.0	Kentucky River	05100201	BREATHITT	3	4A-NS	3	3	3	3	2/17/2010	WAH, FC, PCR, SCR
North Fork Kentucky River 131.0 to 132.0	Kentucky River	05100201	LETCHER	3	4A-NS	3	3	2-FS	3	1/5/2010	WAH, FC, PCR, SCR, DWS
North Fork Kentucky River 132.0 to 145.5	Kentucky River	05100201	LETCHER	3	4A-NS	3	3	3	3	11/1/2001	WAH, FC, PCR, SCR
North Fork Kentucky River 145.5 to 147.9	Kentucky River	05100201	LETCHER	5-NS	4A-NS	3	3	3	3	9/28/2005	WAH, FC, PCR, SCR
North Fork Kentucky River 147.9 to 162.0	Kentucky River	05100201	LETCHER	5-NS	4A-NS	3	3	2-FS	3	1/5/2010	WAH, FC, PCR, SCR, DWS
North Fork Kentucky River 2.3 to 35.7	Kentucky River	05100201	LEE	3	4A-NS	3	2-FS	3	3	3/11/2005	WAH, FC, PCR, SCR

Waterbody & Segment	Basin	8-Digit HUC	County	WAH/CAH	PCR	SCR	FC	DWS	OSRW	Assessment Date	Designated Uses
North Fork Kentucky River 35.7 to 47.2	Kentucky River	05100201	BREATHITT	2-FS	4A-NS	2-FS	3	3	3	12/22/2009	WAH, FC, PCR, SCR
North Fork Kentucky River 47.2 to 48.2	Kentucky River	05100201	BREATHITT	3	4A-NS	3	3	2-FS	3	11/2/2009	WAH, FC, PCR, SCR, DWS
North Fork Kentucky River 48.2 to 55.4	Kentucky River	05100201	BREATHITT	3	4A-NS	3	3	3	3	1/4/2010	WAH, FC, PCR, SCR, DWS
North Fork Kentucky River 55.4 to 77.1	Kentucky River	05100201	BREATHITT	2-FS	4A-NS	3	3	3	3	1/4/2010	WAH, FC, PCR, SCR
North Fork Kentucky River 77.2 to 89.7	Kentucky River	05100201	PERRY	3	4A-NS	3	3	3	3	2/17/2010	WAH, FC, PCR, SCR
North Fork Kentucky River 89.75 to 99.95	Kentucky River	05100201	PERRY	2-FS	4A-NS	3	3	3	3	1/4/2010	WAH, FC, PCR, SCR
North Fork Kentucky River 99.95 to 104.1	Kentucky River	05100201	PERRY	3	4A-NS	3	3	3	3	2/17/2010	WAH, FC, PCR, SCR
North Fork North Benson Creek 0 to 2.2	Kentucky River	05100205	FRANKLIN	5-PS	3	3	3	3	3	4/1/1999	WAH, FC, PCR, SCR
North Severn Creek 0 to 2.1	Kentucky River	05100205	OWEN	2-FS	3	3	3	3	3	10/7/2004	WAH, FC, PCR, SCR
Otter Creek 0 to 4.1	Kentucky River	05100205	MADISON	1-FS	1-FS	1-FS	1-FS	1-FS	1-FS	2/22/2005	WAH, FC, PCR, SCR
Owsley Fork Lake	Kentucky River	05100204	MADISON	3	3	3	3	2-FS	3	12/9/2009	WAH, FC, PCR, SCR, DWS
Paint Lick Creek 0.0 to 7.7	Kentucky River	05100205	GARRARD	2-FS	5-PS	3	3	3	3	10/25/1999	WAH, FC, PCR, SCR
Paint Lick Creek 7.7 to 22.6	Kentucky River	05100205	GARRARD	2-FS	3	3	3	3	3	9/16/1999	WAH, FC, PCR, SCR
Panbowl Lake	Kentucky River	05100201	BREATHITT	2-FS	3	2-FS	3	3	3	6/3/2004 - 12/7/2009	WAH, FC, PCR, SCR
Parched Corn Creek 0 to 2.2	Kentucky River	05100204	WOLFE	2-FS	3	3	3	3	3	3/6/2001	WAH, FC, PCR, SCR
Peyton Creek 0 to 4.1	Kentucky River	05100205	LINCOLN	3	4A-NS	3	3	3	3	2/4/2008	WAH, FC, PCR, SCR
Plum Branch 0 to 3.9	Kentucky River	05100204	POWELL	5-PS	3	3	3	3	3	1/1/2005	WAH, FC, PCR, SCR
Polls Creek 0 to 5.3	Kentucky River	05100202	LESLIE	5-PS	3	3	3	3	3	9/30/1999	WAH, FC, PCR, SCR
Potter Fork 0.0 to 4.3	Kentucky River	05100201	LETCHER	5-NS	3	3	3	3	3	9/30/1999	WAH, FC, PCR, SCR

Waterbody & Segment	Basin	8-Digit HUC	County	WAH/CAH	PCR	SCR	FC	DWS	OSRW	Assessment Date	Designated Uses
Puncheon Camp Creek 0 to 3.5	Kentucky River	05100202	BREATHITT	5-PS	3	3	3	3	3	12/21/1999	WAH, FC, PCR, SCR
Quicksand Creek 0 to 17.0	Kentucky River	05100201	BREATHITT	5-PS	5-PS	2-FS	3	3	3	1/5/2010	WAH, FC, PCR, SCR
Quicksand Creek 21.7 to 30.8	Kentucky River	05100201	BREATHITT	5-NS	3	3	3	3	3	2/6/2006	WAH, FC, PCR, SCR
Rattlesnake Creek 0 to 1.2	Kentucky River	05100205	GRANT	5-NS	3	3	3	3	3	9/16/1999	WAH, FC, PCR, SCR
Red Bird River 0 to 15.3	Kentucky River	05100203	CLAY	2-FS	5-PS	2-FS	3	3	2-FS	1/5/2010	WAH, FC, PCR, SCR, OSRW
Red Lick Creek 0 to 5.0	Kentucky River	05100204	ESTILL	5-PS	5-PS	2-FS	3	3	3	2/22/2005 - 12/1/2009	WAH, FC, PCR, SCR
Red River 21.8 to 30.7	Kentucky River	05100204	POWELL	2-FS	2-FS	2-FS	3	3	3	12/1/2009	WAH, FC, PCR, SCR
Red River 31.0 to 32.0	Kentucky River	05100204	POWELL	3	3	3	3	2-FS	3	3/3/2005	WAH, FC, PCR, SCR, DWS
Red River 50.1 to 60.9	Kentucky River	05100204	MENIFEE	2-FS	3	3	3	3	2-FS	3/14/2005	WAH, FC, PCR, SCR, OSRW
Red River 64.1 to 67.6	Kentucky River	05100204	WOLFE	5-PS	3	3	3	3	5-PS	10/1/2004	WAH, FC, PCR, SCR, OSRW
Red River 70.0 to 83.9	Kentucky River	05100204	WOLFE	5-PS	3	3	3	3	3	10/1/2004	WAH, FC, PCR, SCR
Red River 89.4 to 93.3	Kentucky River	05100204	WOLFE	5-PS	3	3	3	3	3	3/14/2005	WAH, FC, PCR, SCR
Reservoir No. 1 (Lake Ellerslie)	Kentucky River	05100205	FAYETTE	3	3	3	3	2-FS	3	12/9/2009	WAH, FC, PCR, SCR, DWS
Richland Creek 0 to 0.8	Kentucky River	05100205	OWEN	5-PS	3	3	3	3	3	1/12/2000	WAH, FC, PCR, SCR
Right Fork Beehive Branch 0.6 to 1.8	Kentucky River	05100201	PERRY	2-FS	3	3	3	3	3	12/1/2009	WAH, FC, PCR, SCR
Right Fork Big Double Creek 0 to 2.1	Kentucky River	05100203	CLAY	2-FS	3	3	3	3	3	3/3/2005	WAH, FC, PCR, SCR
Right Fork Buffalo Creek 0 to 2.1	Kentucky River	05100203	OWSLEY	2-FS	3	3	3	3	2-FS	12/1/2009	WAH, FC, PCR, SCR, OSRW
Right Fork Cane Creek 2.2 to 5.2	Kentucky River	05100204	POWELL	3	4A-PS	3	3	3	3	11/9/2009	WAH, FC, PCR, SCR
Right Fork Elisha Creek 0 to 3.3	Kentucky River	05100203	LESLIE	2-FS	3	3	3	3	2-FS	3/15/2005	WAH, FC, PCR, SCR, OSRW

Waterbody & Segment	Basin	8-Digit HUC	County	WAH/CAH	PCR	SCR	FC	DWS	OSRW	Assessment Date	Designated Uses
Right Fork Lacy Creek 0 to 2.2	Kentucky River	05100204	WOLFE	5-PS	3	3	3	3	3	10/4/2005	WAH, FC, PCR, SCR
Right Fork Millstone Creek 0 to 1.6	Kentucky River	05100201	LETCHER	5-NS	3	3	3	3	3	3/15/2005	WAH, FC, PCR, SCR
Roaring Fork 0 to 0.9	Kentucky River	05100201	BREATHITT	2-FS	3	3	3	3	2-FS	3/15/2005	WAH, FC, PCR, SCR, OSRW
Rock Lick Creek 0 to 9.6	Kentucky River	05100204	JACKSON	2-FS	3	3	3	3	2-FS	1/28/2010	WAH, FC, PCR, SCR, OSRW
Rockbridge Fork 0 to 3.3	Kentucky River	05100204	WOLFE	2-FS	3	3	3	3	3	12/1/2009	WAH, FC, PCR, SCR
Rockhouse Creek 0 to 3.6	Kentucky River	05100201	LETCHER	5-PS	5-NS	3	3	3	3	9/20/1999	WAH, FC, PCR, SCR
Rockhouse Creek 0.7 to 5.7	Kentucky River	05100202	LESLIE	3	3	3	3	3	3		WAH, FC, PCR, SCR
Rose Fork 0 to 3.1	Kentucky River	05100204	WOLFE	5-NS	3	3	3	3	3	10/5/2005	WAH, FC, PCR, SCR
Ross Creek 2.7 to 7.3	Kentucky River	05100204	LEE	2-FS	3	3	3	3	3	12/1/2009	WAH, FC, PCR, SCR
Royal Spring 0 to 0.7	Kentucky River	05100205	SCOTT	5-NS	3	3	3	2-FS	3	1/7/2010	WAH, FC, PCR, SCR, DWS
Salt Fork 0 to 0.7	Kentucky River	05100204	MENIFEE	2-FS	3	3	3	3	3	3/6/2001	WAH, FC, PCR, SCR
Salt River 0 to 4.5	Kentucky River	05100205	HENRY	5-PS	3	3	3	3	3	7/22/1999	WAH, FC, PCR, SCR
Sand Lick Fork 0 to 5.3	Kentucky River	05100204	POWELL	4A-PS	3	3	3	3	3	12/1/2009	WAH, FC, PCR, SCR
Sand Ripple Creek 0.1 to 3.9	Kentucky River	05100205	FRANKLIN	2-FS	3	3	3	3	3	3/15/2005	WAH, FC, PCR, SCR, OSRW
Sawdridge Creek 0 to 3.35	Kentucky River	05100205	OWEN	2-FS	3	3	3	3	3	3/15/2005	WAH, FC, PCR, SCR
Severn Creek 0.55 to 1.35	Kentucky River	05100205	OWEN	3	3	3	3	2-FS	3	3/15/2005	WAH, FC, PCR, SCR, DWS
Severn Creek 1.35 to 3.0	Kentucky River	05100205	OWEN	2-FS	3	3	3	3	2-FS	12/1/2009	WAH, FC, PCR, SCR, OSRW
Sexton Creek 0.1 to 5.7	Kentucky River	05100203	CLAY	5-PS	2-FS	2-FS	3	3	3	2/22/2005	WAH, FC, PCR, SCR
Shaker Creek 0.1 to 0.8	Kentucky River	05100205	MERCER	2-FS	3	3	3	3	2-FS	3/15/2005	WAH, FC, PCR, SCR, OSRW

Waterbody & Segment	Basin	8-Digit HUC	County	WAH/CAH	PCR	SCR	FC	DWS	OSRW	Assessment Date	Designated Uses
Shallow Ford Creek 5.9 to 6.9	Kentucky River	05100205	MADISON	5-NS	3	3	3	3	3	1/26/2000	WAH, FC, PCR, SCR
Shelly Rock Fork 0 to 0.6	Kentucky River	05100201	BREATHITT	2-FS	3	3	3	3	2-FS	3/15/2005	WAH, FC, PCR, SCR, OSRW
Shop Fork 0 to 1.4	Kentucky River	05100202	LESLIE	2-FS	3	3	3	3	3	10/6/2004	WAH, FC, PCR, SCR
Silver Creek 0 to 11.1	Kentucky River	05100205	MADISON	2-FS	2-FS	2-FS	3	3	3	3/2/2005 - 12/1/2009	WAH, FC, PCR, SCR
Silver Creek 11.1 to 29.8	Kentucky River	05100205	MADISON	5-NS	3	3	3	3	3	12/1/2009	WAH, FC, PCR, SCR
Sixmile Creek 0.1 to 11.9	Kentucky River	05100205	HENRY	2-FS	2-FS	2-FS	3	3	2-FS	12/1/2009	WAH, FC, PCR, SCR, OSRW
Sixmile Creek 13.9 to 15.9	Kentucky River	05100205	SHELBY	5-NS	5-NS	3	3	3	3	3/2/2011	WAH, FC, PCR, SCR
Smith Branch 0.7 to 2.5	Kentucky River	05100201	KNOTT	5-NS	2-FS	3	3	3	3	10/29/2009	WAH, FC, PCR, SCR
Snow Creek 0 to 3.9	Kentucky River	05100204	POWELL	5-PS	3	3	3	3	3	10/8/2004	WAH, FC, PCR, SCR
South Benson Creek 0 to 5.8	Kentucky River	05100205	FRANKLIN	2-FS	3	3	3	3	3	4/1/1999	WAH, FC, PCR, SCR
South Elkhorn Creek 16.6 to 34.5	Kentucky River	05100205	WOODFORD	5-PS	4A-NS	2-FS	3	3	3	11/9/2009	WAH, FC, PCR, SCR
South Elkhorn Creek 34.5 to 52.7	Kentucky River	05100205	WOODFORD	5-PS	4A-NS	2-FS	3	3	3	11/9/2009 - 12/2/2009	WAH, FC, PCR, SCR
South Elkhorn Creek 5.05 to 16.6	Kentucky River	05100205	SCOTT	2B(5)	4A-NS	2-FS	3	3	3	3/16/2005 - 11/9/2009	WAH, FC, PCR, SCR
South Fork Kentucky River 11.75 to 18.9	Kentucky River	05100203	OWSLEY	2-FS	5-NS	2-FS	3	2-FS	2-FS	12/2/2009	WAH, FC, PCR, SCR, DWS, OSRW
South Fork Quicksand Creek 0 to 16.9	Kentucky River	05100201	BREATHITT	5-NS	3	3	3	3	3	10/11/2004	WAH, FC, PCR, SCR
South Fork Red River 0 to 3.9	Kentucky River	05100204	POWELL	4A-NS	3	3	3	3	4A-NS	12/22/1999	WAH, FC, PCR, SCR, OSRW
South Fork Red River 4.2 to 10.6	Kentucky River	05100204	POWELL	4A-NS	3	3	3	3	3	12/22/1999	WAH, FC, PCR, SCR
South Fork Station Camp Creek 0 to 9.7	Kentucky River	05100204	JACKSON	2-FS	3	3	3	3	2-FS	12/2/2009	WAH, FC, PCR, SCR, OSRW
South Fork Station Camp Creek 9.7 to 26.3	Kentucky River	05100204	JACKSON	2-FS	3	3	3	3	3	2/2/2000	WAH, FC, PCR, SCR

Waterbody & Segment	Basin	8-Digit HUC	County	WAH/CAH	PCR	SCR	FC	DWS	OSRW	Assessment Date	Designated Uses
Spears Creek 1.0 to 6.3	Kentucky River	05100205	BOYLE	5-PS	3	3	3	3	3	12/2/2009	WAH, FC, PCR, SCR
Spring Creek 0 to 1.8	Kentucky River	05100203	CLAY	2-FS	3	3	3	3	3	12/2/2009	WAH, FC, PCR, SCR
Spring Fork Quicksand River 3.1 to 6.9	Kentucky River	05100201	BREATHITT	5-NS	3	3	3	3	3	9/10/1999	WAH, FC, PCR, SCR
Spruce Branch 0 to 1.1	Kentucky River	05100203	CLAY	2-FS	3	3	3	3	2-FS	3/1/2003	WAH, FC, PCR, SCR, OSRW
Squabble Creek 0 to 4.7	Kentucky River	05100202	PERRY	5-PS	3	3	3	3	3	10/11/2004	WAH, FC, PCR, SCR
Stanford Reservoir	Kentucky River	05100205	LINCOLN	2-FS	3	3	3	2-FS	3	11/2/2009	WAH, FC, PCR, SCR, DWS
State Road Fork 0 to 4.3	Kentucky River	05100204	WOLFE	2-FS	3	3	3	3	3	3/7/2001	WAH, FC, PCR, SCR
Station Camp Creek 0 to 21.3	Kentucky River	05100204	JACKSON	5-PS	2-FS	2-FS	3	3	5-PS	12/2/2009	WAH, FC, PCR, SCR, OSRW
Steammill Branch 0.6 to 1.6	Kentucky River	05100205	GRANT	5-PS	3	3	3	3	3	1/26/2000	WAH, FC, PCR, SCR
Steeles Run 0 to 5.1	Kentucky River	05100205	FAYETTE	2-FS	4A-NS	4A-NS	3	3	2-FS	3/16/2005 - 11/9/2009	WAH, FC, PCR, SCR, OSRW
Steer Fork 0 to 2.7	Kentucky River	05100204	JACKSON	2-FS	3	3	3	3	2-FS	3/16/2005	WAH, FC, PCR, SCR, OSRW
Stevens Creek 0 to 14.4	Kentucky River	05100205	GRANT	3	3	3	3	3	3		WAH, FC, PCR, SCR
Stevens Creek 14.4 to 17.1	Kentucky River	05100205	OWEN	5-PS	3	3	3	3	3	10/13/1999	WAH, FC, PCR, SCR
Stillwater Creek 0 to 3.5	Kentucky River	05100204	WOLFE	5-PS	3	3	3	3	3	3/16/2005	WAH, FC, PCR, SCR
Stinnett Creek 1.3 to 4.7	Kentucky River	05100202	LESLIE	5-NS	3	3	3	3	3	10/11/2004	WAH, FC, PCR, SCR
Stump Cave Branch 0 to 1.6	Kentucky River	05100204	POWELL	4A-NS	3	3	3	3	3	4/1/1998	WAH, FC, PCR, SCR
Sturgeon Creek 8.0 to 12.2	Kentucky River	05100204	LEE	5-PS	3	3	3	3	5-PS	10/11/2004	WAH, FC, PCR, SCR, OSRW
Sudduth Branch 0 to 2.55	Kentucky River	05100205	FRANKLIN	2-FS	3	3	3	3	3	12/2/2009	WAH, FC, PCR, SCR
Sugar Creek 0.6 to 5.4	Kentucky River	05100203	LESLIE	2-FS	3	3	3	3	2-FS	1/1/2005	WAH, FC, PCR, SCR, OSRW

Waterbody & Segment	Basin	8-Digit HUC	County	WAH/CAH	PCR	SCR	FC	DWS	OSRW	Assessment Date	Designated Uses
Sugar Creek 4.8 to 6.0	Kentucky River	05100205	GARRARD	5-PS	3	3	3	3	3	10/13/2004	WAH, FC, PCR, SCR
Sulphur Creek 0 to 1.6	Kentucky River	05100205	HENRY	5-NS	3	3	3	3	3	4/1/1999	WAH, FC, PCR, SCR
Sulphur Lick Creek 0 to 5.2	Kentucky River	05100205	FRANKLIN	2-FS	3	3	3	3	2-FS	7/31/2008	WAH, FC, PCR, SCR, OSRW
Swift Camp Creek 0 to 13.95	Kentucky River	05100204	WOLFE	5-PS	3	3	3	3	3	12/2/2009	CAH, FC, PCR, SCR
Tate Creek 0 to 6.5	Kentucky River	05100205	MADISON	5-NS	3	3	3	3	3	12/22/1999	WAH, FC, PCR, SCR
Tate Creek 6.5 to 11.5	Kentucky River	05100205	MADISON	2-FS	2-FS	3	3	3	3	12/22/1999	WAH, FC, PCR, SCR
Ten Mile Creek 0 to 3.0	Kentucky River	05100205	GRANT	5-PS	5-NS	2-FS	3	3	3	12/2/2009 - 4/1/2014	WAH, FC, PCR, SCR
Ten Mile Creek 3.0 to 11.9	Kentucky River	05100205	GRANT	3	5-PS	2-FS	3	3	3	4/1/2014	WAH, FC, PCR, SCR
Three Forks Creek 0 to 7.6	Kentucky River	05100205	GRANT	5-PS	3	3	3	3	3	9/15/1999	WAH, FC, PCR, SCR
Town Branch 0 to 9.2	Kentucky River	05100205	FAYETTE	5-PS	4A-NS	3	3	3	3	11/4/2009	WAH, FC, PCR, SCR
Town Branch 10.8 to 12.4	Kentucky River	05100205	FAYETTE	5-NS	4A-NS	5-NS	3	3	3	11/4/2009	WAH, FC, PCR, SCR
Town Branch 9.2 to 10.8	Kentucky River	05100205	FAYETTE	5-PS	4A-NS	3	3	3	3	11/4/2009	WAH, FC, PCR, SCR
Town Creek 2.6 to 3.6	Kentucky River	05100205	HENRY	5-NS	3	3	3	3	3	1/26/2000	WAH, FC, PCR, SCR
Trace Fork 1.25 to 3.4	Kentucky River	05100201	KNOTT	5-NS	4A-PS	4A-NS	3	3	3	10/29/2009	WAH, FC, PCR, SCR
Troublesome Creek 0 to 45.1	Kentucky River	05100201	BREATHITT	5-NS	4A-NS	2-FS	3	3	3	12/2/2009	WAH, FC, PCR, SCR
Twomile Creek 0 to 3.1	Kentucky River	05100205	OWEN	3	3	3	3	3	3		WAH, FC, PCR, SCR
Upper Devil Creek 0 to 1.0	Kentucky River	05100201	WOLFE	5-PS	3	3	3	3	3	9/15/1999	WAH, FC, PCR, SCR
Upper Hood Branch 0 to 1.6	Kentucky River	05100204	POWELL	2-FS	3	3	3	3	3	1/18/2000	WAH, FC, PCR, SCR
Upper Howard Creek 0 to 3.2	Kentucky River	05100205	CLARK	5-PS	3	3	3	3	3	12/22/1999	WAH, FC, PCR, SCR

Waterbody & Segment	Basin	8-Digit HUC	County	WAH/CAH	PCR	SCR	FC	DWS	OSRW	Assessment Date	Designated Uses
Upper Jacks Creek 0 to 2.2	Kentucky River	05100203	CLAY	5-PS	3	3	3	3	3	12/3/2009	WAH, FC, PCR, SCR
Upper Twin Creek 0 to 3.6	Kentucky River	05100202	BREATHITT	5-PS	3	3	3	3	3	12/22/1999	WAH, FC, PCR, SCR
UT of Baughman Fork 0 to 2.5	Kentucky River	05100205	FAYETTE	4A-NS	3	3	3	3	3	7/5/2003	WAH, FC, PCR, SCR
UT of Cane Run 0 to 0.9	Kentucky River	05100205	FAYETTE	3	4A-NS	3	3	3	3	5/16/2014	WAH, FC, PCR, SCR
UT of Cane Run 0 to 2.1	Kentucky River	05100205	FAYETTE	5-NS	4A-NS	3	3	3	3	5/5/2009	WAH, FC, PCR, SCR
UT of Cane Run 0 to 2.4	Kentucky River	05100205	FAYETTE	5-NS	4A-NS	3	3	3	3	5/5/2009	WAH, FC, PCR, SCR
UT of Cane Run 0 to 3.5	Kentucky River	05100205	SCOTT	5-NS	4A-NS	3	3	3	3	1/6/2010	WAH, FC, PCR, SCR
UT of Cawood Branch 0 to 2.1	Kentucky River	05100202	LESLIE	2-FS	3	3	3	3	2-FS	1/1/2005	WAH, FC, PCR, SCR, OSRW
UT of Cedar Creek 0 to 1.4	Kentucky River	05100205	OWEN	2-FS	3	3	3	3	2-FS	3/4/2005	WAH, FC, PCR, SCR, OSRW
UT of Clear Creek 0 to 4.3	Kentucky River	05100205	WOODFORD	2-FS	3	3	3	3	3	1/18/2000	WAH, FC, PCR, SCR
UT of East Hickman Creek 0.8 to 2.2	Kentucky River	05100205	FAYETTE	3	5-NS	3	3	3	3	3/3/2010	WAH, FC, PCR, SCR
UT of Engle Fork 0 to 0.5	Kentucky River	05100201	PERRY	5-NS	3	3	3	3	3	10/13/2004	WAH, FC, PCR, SCR
UT of Flat Creek 0 to 1.5	Kentucky River	05100205	FRANKLIN	2-FS	3	3	3	3	3	3/7/2005	WAH, FC, PCR, SCR
UT of Glenss Creek 0 to 1.9	Kentucky River	05100205	WOODFORD	2-FS	3	3	3	3	2-FS	3/22/2005	WAH, FC, PCR, SCR, OSRW
UT of Hanging Fork Creek 0 to 1.3	Kentucky River	05100205	CASEY	2-FS	3	3	3	3	3	10/13/2004	WAH, FC, PCR, SCR
UT of Jacks Creek 0 to 1.15	Kentucky River	05100205	MADISON	2-FS	3	3	3	3	2-FS	3/22/2005	WAH, FC, PCR, SCR, OSRW
UT of Kentucky River 0.1 to 1.4	Kentucky River	05100205	FRANKLIN	2-FS	3	3	3	3	2-FS	3/22/2005	WAH, FC, PCR, SCR, OSRW
UT of Line Fork 0 to 0.6	Kentucky River	05100201	LETCHER	2-FS	3	3	3	3	2-FS	3/22/2005	WAH, FC, PCR, SCR, OSRW
UT of Muddy Creek 0 to 2.5	Kentucky River	05100205	MADISON	5-PS	4A-NS	3	3	3	3	5/18/2014	WAH, FC, PCR, SCR

Waterbody & Segment	Basin	8-Digit HUC	County	WAH/CAH	PCR	SCR	FC	DWS	OSRW	Assessment Date	Designated Uses
UT of N. Elkhorn Creek 0 to 5.6	Kentucky River	05100205	FAYETTE	5-PS	3	3	3	3	3	10/14/2004	WAH, FC, PCR, SCR
UT of North Branch Lulbebrud Creek 0 to 2.2	Kentucky River	05100204	MONTGOMERY	5-NS	3	3	3	3	3	2/7/2006	WAH, FC, PCR, SCR
UT of North Elkhorn Creek 0 to 3.5	Kentucky River	05100205	FAYETTE	3	4A-NS	3	3	3	3	11/9/2009	WAH, FC, PCR, SCR
UT of Smith Fork 0 to 0.55	Kentucky River	05100205	MADISON	5-PS	3	3	3	3	3	3/16/2005	WAH, FC, PCR, SCR
UT of Swift Camp Creek 0 to 1.5	Kentucky River	05100204	WOLFE	5-NS	3	3	3	3	3	10/14/1999	WAH, FC, PCR, SCR
UT of Tanyard Branch 1.0 to 1.6	Kentucky River	05100203	CLAY	2-FS	3	3	3	3	3	10/13/2004	WAH, FC, PCR, SCR
UT of Trace Fork 0.05 to 0.7	Kentucky River	05100201	KNOTT	3	4A-PS	3	3	3	3	10/29/2009	WAH, FC, PCR, SCR
UT of Upper Howards Creek 2.1 to 2.7	Kentucky River	05100205	CLARK	2-FS	3	3	3	3	3	1/14/2005	WAH, FC, PCR, SCR
Viny Fork 0 to 4.1	Kentucky River	05100205	MADISON	5-PS	4A-NS	3	3	3	3	5/2/2014	WAH, FC, PCR, SCR
Walker Creek 0 to 5.4	Kentucky River	05100201	LEE	2-FS	3	3	3	3	3	10/14/1999	WAH, FC, PCR, SCR
Walnut Meadows Branch 0 to 4.1	Kentucky River	05100205	MADISON	3	3	3	3	3	3		WAH, FC, PCR, SCR
War Creek 0 to 3.1	Kentucky River	05100201	BREATHITT	2-FS	3	3	3	3	3	9/15/1999	WAH, FC, PCR, SCR
War Fork 0 to 13.8	Kentucky River	05100204	JACKSON	2-FS	3	3	3	3	2-FS	12/3/2009	CAH, FC, PCR, SCR, OSRW
Watches Fork 0 to 1.0	Kentucky River	05100203	OWSLEY	2-FS	3	3	3	3	2-FS	1/28/2010	WAH, FC, PCR, SCR, OSRW
West Fork Mill Creek 0 to 1.0	Kentucky River	05100205	CARROLL	5-PS	3	3	3	3	3	7/23/1999	WAH, FC, PCR, SCR
West Fork Otter Creek 0 to 2.8	Kentucky River	05100205	MADISON	2-FS	3	3	3	3	3	12/17/1999	WAH, FC, PCR, SCR
West Fork Sugar Creek 0 to 2.6	Kentucky River	05100205	GARRARD	2-FS	3	3	3	3	3	3/3/2005	WAH, FC, PCR, SCR
West Hickman Creek 0 to 3.1	Kentucky River	05100205	JESSAMINE	5-PS	5-PS	3	3	3	3	1/24/2000	WAH, FC, PCR, SCR
West Hickman Creek 3.1 to 8.4	Kentucky River	05100205	FAYETTE	5-PS	2-FS	3	3	3	3	1/18/2000 - 11/4/2009	WAH, FC, PCR, SCR

Waterbody & Segment	Basin	8-Digit HUC	County	WAH/CAH	PCR	SCR	FC	DWS	OSRW	Assessment Date	Designated Uses
White Lick Creek 0 to 2.8	Kentucky River	05100205	GARRARD	5-PS	3	3	3	3	3	9/16/1999	WAH, FC, PCR, SCR
White Oak Creek 0 to 2.7	Kentucky River	05100204	ESTILL	3	3	3	3	3	3		WAH, FC, PCR, SCR
White Oak Creek 0 to 2.8	Kentucky River	05100205	GARRARD	5-NS	5-NS	3	3	3	3	10/14/2004 - 1/31/2008	WAH, FC, PCR, SCR
White Oak Creek 0 to 3.4	Kentucky River	05100205	LINCOLN	3	4A-NS	3	3	3	3	2/1/2008	WAH, FC, PCR, SCR
Wild Dog Creek 0 to 0.6	Kentucky River	05100204	OWSLEY	2-FS	3	3	3	3	3	12/3/2009	WAH, FC, PCR, SCR
Wilgreen Lake (Taylor Fork Lake)	Kentucky River	05100205	MADISON	5-PS	3	5-PS	3	3	3	12/8/2009	WAH, FC, PCR, SCR
Winchester Reservoir	Kentucky River	05100205	CLARK	3	3	3	3	2-FS	3	11/2/2009	WAH, FC, PCR, SCR, DWS
Wolf Run 0 to 4.4	Kentucky River	05100205	FAYETTE	5-PS	4A-NS	5-NS	3	3	3	1/13/2000 - 10/30/2009	WAH, FC, PCR, SCR
Wolfpen Creek 0 to 3.6	Kentucky River	05100204	MENIFEE	2-FS	3	3	3	3	2-FS	3/26/1998	WAH, FC, PCR, SCR, OSRW
Wooton Creek 0 to 3.0	Kentucky River	05100202	LESLIE	5-PS	3	3	3	3	3	12/22/1999	WAH, FC, PCR, SCR
A.J.Jolly Lake (Campbell County Lake)	Licking River	05100101	CAMPBELL	2-FS	3	3	3	3	3	3/24/2011	WAH, FC, PCR, SCR
Allison Creek 0 to 4.95	Licking River	05100101	FLEMING	5-PS	4A-NS	3	3	3	3	10/8/2010	WAH, FC, PCR, SCR, DWS
Banklick Creek 0 to 3.45	Licking River	05100101	KENTON	5-PS	5-NS	3	3	3	3	3/17/2011	WAH, FC, PCR, SCR
Banklick Creek 3.45 to 8.2	Licking River	05100101	KENTON	5-NS	5-NS	3	3	3	3	4/13/2001	WAH, FC, PCR, SCR
Banklick Creek 8.2 to 19.2	Licking River	05100101	KENTON	5-PS	5-PS	3	3	3	3	5/2/2002	WAH, FC, PCR, SCR
Beaver Creek 7.6 to 15.4	Licking River	05100101	HARRISON	2-FS	3	3	3	3	3	10/19/2005	WAH, FC, PCR, SCR
Beaver Creek 8.4 to 14.4	Licking River	05100101	MENIFEE	5-PS	3	3	3	3	3	3/12/2001	WAH, FC, PCR, SCR
Big Brushy Creek 0 to 1.05	Licking River	05100101	ROWAN	3	5-NS	3	3	3	3	3/17/2011	WAH, FC, PCR, SCR
Big Half Mountain Creek 0 to 4.0	Licking River	05100101	MAGOFFIN	5-NS	3	3	3	3	3	3/4/2009	WAH, FC, PCR, SCR

Waterbody & Segment	Basin	8-Digit HUC	County	WAH/CAH	PCR	SCR	FC	DWS	OSRW	Assessment Date	Designated Uses
Blacks Creek 0.0 to 5.6	Licking River	05100102	BOURBON	5-NS	5-NS	3	3	3	3	12/2/2011	WAH, FC, PCR, SCR
Blackwater Creek 3.9 to 11.8	Licking River	05100101	MORGAN	2-FS	5-NS	2-FS	3	3	3	9/20/2005 - 3/17/2011	WAH, FC, PCR, SCR
Blanket Creek 0 to 1.9	Licking River	05100101	PENDLETON	2-FS	3	3	3	3	2-FS	3/4/2005	WAH, FC, PCR, SCR, OSRW
Boone Creek 0 to 5.2	Licking River	05100102	BOURBON	5-PS	5-NS	3	3	3	3	12/20/2011	WAH, FC, PCR, SCR
Boone Creek 5.2 to 9.1	Licking River	05100102	BOURBON	5-PS	5-NS	3	3	3	3	12/2/2011	WAH, FC, PCR, SCR
Botts Fork 0 to 2.1	Licking River	05100101	MENIFEE	2-FS	3	3	3	3	2-FS	10/24/2005	WAH, FC, PCR, SCR, OSRW
Bowman Creek 0 to 6.0	Licking River	05100101	KENTON	2-FS	3	3	3	3	2-FS	10/24/2005	WAH, FC, PCR, SCR, OSRW
Broadtree Fork 0 to 1.6	Licking River	05100101	MAGOFFIN	5-NS	3	3	3	3	3	3/4/2009	WAH, FC, PCR, SCR
Broke Leg Creek 0 to 1.0	Licking River	05100101	MORGAN	5-PS	3	3	3	3	3	10/25/2005	WAH, FC, PCR, SCR
Broke Leg Creek 1.0 to 5.2	Licking River	05100101	MORGAN	5-PS	3	3	3	3	3	6/24/2005	WAH, FC, PCR, SCR
Brushy Fork 0 to 2.2	Licking River	05100101	FLEMING	2-FS	3	3	3	3	3	8/1/2000	WAH, FC, PCR, SCR
Brushy Fork 0 to 5.8	Licking River	05100101	PENDLETON	2-FS	3	3	3	3	3	3/17/2011	WAH, FC, PCR, SCR
Brushy Fork 0.7 to 5.6	Licking River	05100101	MENIFEE	2-FS	3	3	3	3	3	10/25/2005	WAH, FC, PCR, SCR
Bucket Branch 0 to 1.9	Licking River	05100101	MORGAN	2-FS	3	3	3	3	2-FS	9/20/2005	WAH, FC, PCR, SCR, OSRW
Buffalo Creek 0 to 2.85	Licking River	05100101	MAGOFFIN	5-NS	3	3	3	3	3	3/4/2009	WAH, FC, PCR, SCR
Bull Fork 2.5 to 4.5	Licking River	05100101	ROWAN	2-FS	3	3	3	3	3	10/25/2005	WAH, FC, PCR, SCR
Burning Fork 0 to 3.3	Licking River	05100101	MAGOFFIN	5-NS	5-NS	3	3	3	3	10/25/2003 - 3/5/2009	WAH, FC, PCR, SCR
Burning Fork 3.3 to 5.2	Licking River	05100101	MAGOFFIN	5-NS	3	3	3	3	3	3/17/2011	WAH, FC, PCR, SCR
Caney Creek 0 to 4.3	Licking River	05100101	MORGAN	5-PS	3	3	3	3	3	2/9/1999	WAH, FC, PCR, SCR

Waterbody & Segment	Basin	8-Digit HUC	County	WAH/CAH	PCR	SCR	FC	DWS	OSRW	Assessment Date	Designated Uses
Carlisle City Lake	Licking River	05100102	NICHOLAS	3	3	3	3	2-FS	3	3/24/2011	WAH, FC, PCR, SCR, DWS
Carter Branch 0 to 0.7	Licking River	05100101	MENIFEE	2-FS	3	3	3	3	3	3/17/2011	WAH, FC, PCR, SCR
Caskey Fork 0 to 2.3	Licking River	05100101	MORGAN	5-NS	3	3	3	3	3	10/27/2005	WAH, FC, PCR, SCR
Cassidy Creek 0 to 4.1	Licking River	05100101	FLEMING	3	4A-NS	3	3	3	3	1/1/2001	WAH, FC, PCR, SCR
Cassidy Creek 0.5 to 5.0	Licking River	05100101	NICHOLAS	3	3	3	3	3	3		WAH, FC, PCR, SCR
Cave Run Lake	Licking River	05100101	ROWAN	2-FS	3	2-FS	5-PS	3	3	10/6/2011	WAH, FC, PCR, SCR, DWS
Cedar Creek 0 to 1.7	Licking River	05100101	ROBERTSON	2-FS	3	3	3	3	2-FS	10/27/2005	WAH, FC, PCR, SCR, OSRW
Christy Creek 0 to 4.3	Licking River	05100101	ROWAN	5-PS	3	3	3	3	3	5/12/2001	WAH, FC, PCR, SCR
Clarks Run 0 to 2.1	Licking River	05100101	MASON	5-PS	3	3	3	3	3	10/27/2005	WAH, FC, PCR, SCR
Coffee Creek 0 to 4.1	Licking River	05100101	MORGAN	5-NS	3	3	3	3	3	9/20/2005	WAH, FC, PCR, SCR
Cooks Branch 0 to 2.9	Licking River	05100101	MONTGOMERY	2-FS	3	3	3	3	3	4/26/2004	WAH, FC, PCR, SCR
Cooper Run 0 to 10.15	Licking River	05100102	BOURBON	5-NS	5-NS	3	3	3	3	12/8/2011	WAH, FC, PCR, SCR
Coopertown Creek 0 to 4.8	Licking River	05100102	GRANT	2-FS	3	3	3	3	3	10/27/2005	WAH, FC, PCR, SCR
Craintown Branch 0 to 3.6	Licking River	05100101	FLEMING	5-PS	4A-PS	3	3	3	3	4/20/2001	WAH, FC, PCR, SCR
Crane Creek 0 to 2.9	Licking River	05100101	FLEMING	5-PS	3	3	3	3	3	6/30/2004	WAH, FC, PCR, SCR
Craney Creek 0 to 5.9	Licking River	05100101	MORGAN	2-FS	3	3	3	3	2-FS	9/20/2005	CAH, FC, PCR, SCR, OSRW
Craney Creek 5.9 to 10.0	Licking River	05100101	ROWAN	2-FS	3	3	3	3	2-FS	4/9/2001	CAH, FC, PCR, SCR, OSRW
Crooked Creek 0 to 9.4	Licking River	05100101	NICHOLAS	3	5-NS	3	3	3	3	8/14/2000	WAH, FC, PCR, SCR
Crooked Creek 0.5 to 7.0	Licking River	05100102	HARRISON	2-FS	3	3	3	3	3	10/27/2005	WAH, FC, PCR, SCR

Waterbody & Segment	Basin	8-Digit HUC	County	WAH/CAH	PCR	SCR	FC	DWS	OSRW	Assessment Date	Designated Uses
Cruises Creek 0 to 8.7	Licking River	05100101	KENTON	5-PS	2-FS	3	3	3	3	3/6/2001 - 3/17/2011	WAH, FC, PCR, SCR
Devils Fork 0 to 8.5	Licking River	05100101	MORGAN	2-FS	3	3	3	3	2-FS	10/11/2010	WAH, FC, PCR, SCR, OSRW
Doe Run Lake	Licking River	05100102	KENTON	5-PS	3	3	3	3	3	3/24/2011	WAH, FC, PCR, SCR
Doty Branch 0 to 2.2	Licking River	05100101	FLEMING	5-NS	4A-NS	3	3	3	3	4/1/1998	WAH, FC, PCR, SCR
Dry Creek 0 to 2.5	Licking River	05100101	ROWAN	5-PS	3	3	3	3	3	10/27/2005	WAH, FC, PCR, SCR
Elk Fork 0 to 4.9	Licking River	05100101	MORGAN	5-PS	3	3	3	3	3	4/9/2001	WAH, FC, PCR, SCR
Elk Fork 12.9 to 15.1	Licking River	05100101	MORGAN	5-PS	3	3	3	3	3	8/3/2000	WAH, FC, PCR, SCR
Elk Fork 4.9 to 10.7	Licking River	05100101	MORGAN	5-NS	3	3	3	3	3	8/3/2000	WAH, FC, PCR, SCR
Elms Run 3.3 to 4.3	Licking River	05100101	ROBERTSON	5-NS	5-NS	3	3	3	3	3/17/2011	WAH, FC, PCR, SCR
Evans Branch Reservoir	Licking River	05100101	ROWAN	3	3	3	3	2-FS	3	3/25/2011	WAH, FC, PCR, SCR, DWS
Fannins Branch 1.5 to 3.4	Licking River	05100101	MORGAN	5-PS	3	3	3	3	3	11/1/2005	WAH, FC, PCR, SCR
Fannins Fork 3.4 to 7.0	Licking River	05100101	MORGAN	5-PS	3	3	3	3	3	3/17/2011	WAH, FC, PCR, SCR
Flat Creek 0 to 0.9	Licking River	05100101	BATH	2-FS	5-NS	3	3	3	3	1/5/2001	WAH, FC, PCR, SCR
Flat Run 0 to 2.2	Licking River	05100102	BOURBON	5-PS	5-NS	3	3	3	3	12/8/2011	WAH, FC, PCR, SCR
Flat Run 2.2 to 9.05	Licking River	05100102	BOURBON	5-NS	5-NS	3	3	3	3	12/8/2011	WAH, FC, PCR, SCR
Fleming Creek 0 to 12.8	Licking River	05100101	FLEMING	5-PS	4A-NS	3	3	3	3	1/8/2001	WAH, FC, PCR, SCR
Fleming Creek 12.8 to 16.0	Licking River	05100101	FLEMING	5-PS	4A-NS	3	3	3	3	1/9/2001	WAH, FC, PCR, SCR
Fleming Creek 16.0 to 20.8	Licking River	05100101	FLEMING	2-FS	4A-NS	3	3	3	3	7/8/2004	WAH, FC, PCR, SCR
Fleming Creek 20.8 to 39.4	Licking River	05100101	FLEMING	5-NS	4A-NS	3	3	3	3	1/8/2001	WAH, FC, PCR, SCR

Waterbody & Segment	Basin	8-Digit HUC	County	WAH/CAH	PCR	SCR	FC	DWS	OSRW	Assessment Date	Designated Uses
Flemingsburg Lake	Licking River	05100101	FLEMING	3	3	3	3	2-FS	3	3/25/2011	WAH, FC, PCR, SCR, DWS
Flour Creek 0 to 2.2	Licking River	05100101	PENDLETON	2-FS	3	3	3	3	2-FS	11/1/2005	WAH, FC, PCR, SCR, OSRW
Fox Creek 0 to 10.1	Licking River	05100101	FLEMING	5-PS	5-PS	5-PS	3	3	3	3/17/2011	WAH, FC, PCR, SCR
Fox Creek 10.1 to 16.0	Licking River	05100101	FLEMING	5-PS	3	3	3	3	3	3/17/2011	WAH, FC, PCR, SCR
Fox Creek 23.9 to 26.6	Licking River	05100101	FLEMING	5-NS	3	3	3	3	3	8/3/2000	WAH, FC, PCR, SCR
Grassy Creek 0 to 1.3	Licking River	05100101	PENDLETON	3	2-FS	3	3	3	3	8/14/2000	WAH, FC, PCR, SCR
Grassy Creek 4.6 to 10.1	Licking River	05100101	MORGAN	5-PS	3	3	3	3	3	11/1/2005	WAH, FC, PCR, SCR
Grassy Lick Creek 0 to 4.6	Licking River	05100102	MONTGOMERY	4C-PS	3	3	3	3	3	3/17/2011	WAH, FC, PCR, SCR
Green Creek 0 to 8.15	Licking River	05100102	BOURBON	5-PS	3	3	3	3	3	3/5/2009	WAH, FC, PCR, SCR
Green Creek 8.45 to 9.7	Licking River	05100102	BOURBON	5-PS	3	3	3	3	3	3/5/2009	WAH, FC, PCR, SCR
Greenbriar Lake (Greenbrier Creek Reservoir)	Licking River	05100101	MONTGOMERY	2-FS	3	3	3	3	3	3/25/2011	WAH, FC, PCR, SCR, DWS
Grovers Creek 0.5 to 3.4	Licking River	05100101	PENDLETON	2-FS	3	3	3	3	2-FS	3/5/2009	WAH, FC, PCR, SCR, OSRW
Hancock Creek 4.2 to 7.6	Licking River	05100102	CLARK	5-NS	5-NS	5-NS	3	3	3	3/5/2009	WAH, FC, PCR, SCR
Harris Creek 0 to 0.75	Licking River	05100101	PENDLETON	5-NS	3	3	3	3	3	3/17/2011	WAH, FC, PCR, SCR
Hillsboro Branch 0 to 2.7	Licking River	05100101	FLEMING	2-FS	3	3	3	3	3	3/8/2005	WAH, FC, PCR, SCR
Hinkston Creek 0 to 12.6	Licking River	05100102	BOURBON	2-FS	5-NS	2-FS	3	3	3	3/17/2011 - 3/18/2011	WAH, FC, PCR, SCR
Hinkston Creek 13.3 to 14.3	Licking River	05100102	BOURBON	3	3	3	3	2-FS	3	11/3/2005	WAH, FC, PCR, SCR, DWS
Hinkston Creek 20.8 to 31.0	Licking River	05100102	NICHOLAS	2-FS	5-PS	3	3	3	3	8/4/2000	WAH, FC, PCR, SCR
Hinkston Creek 31.0 to 33.3	Licking River	05100102	NICHOLAS	2-FS	3	3	3	3	3	8/4/2000	WAH, FC, PCR, SCR

Waterbody & Segment	Basin	8-Digit HUC	County	WAH/CAH	PCR	SCR	FC	DWS	OSRW	Assessment Date	Designated Uses
Hinkston Creek 41.8 to 49.1	Licking River	05100102	BOURBON	5-PS	5-NS	3	3	3	3	8/4/2000	WAH, FC, PCR, SCR
Hinkston Creek 51.5 to 65.9	Licking River	05100102	MONTGOMERY	5-NS	3	3	3	3	3	10/1/1999	WAH, FC, PCR, SCR
Hinkston Creek 68.0 to 71.5	Licking River	05100102	MONTGOMERY	2-FS	3	3	3	3	3	1/10/2001	WAH, FC, PCR, SCR
Hoods Creek 0 to 5.9	Licking River	05100102	CLARK	5-NS	5-NS	5-NS	3	3	3	3/5/2009	WAH, FC, PCR, SCR
Horsepen Fork 0 to 1.2	Licking River	05100101	MAGOFFIN	5-PS	3	3	3	3	3	3/18/2011	WAH, FC, PCR, SCR
Houston Creek 0 to 9.1	Licking River	05100102	BOURBON	3	5-NS	3	3	3	3	8/14/2000	WAH, FC, PCR, SCR
Houston Creek 9.1 to 12.7	Licking River	05100102	BOURBON	5-PS	3	3	3	3	3	8/7/2000	WAH, FC, PCR, SCR
Howard Branch 0 to 2.0	Licking River	05100101	MAGOFFIN	5-NS	3	3	3	3	3	3/5/2009	WAH, FC, PCR, SCR
Huskens Run 0 to 1.5	Licking River	05100102	HARRISON	3	4A-NS	3	3	3	3	6/28/2011	WAH, FC, PCR, SCR
Hutchison Creek 0 to 6.4	Licking River	05100102	BOURBON	3	3	3	3	3	3		WAH, FC, PCR, SCR
Indian Creek 0 to 0.7	Licking River	05100102	BOURBON	3	5-NS	5-NS	3	3	3	9/29/2005	WAH, FC, PCR, SCR
Johnson Creek 0 to 0.9	Licking River	05100102	CLARK	5-PS	5-NS	5-NS	3	3	3	3/5/2009	WAH, FC, PCR, SCR
Johnson Creek 0 to 3.1	Licking River	05100101	MAGOFFIN	5-NS	5-NS	3	3	3	3	2/13/2001	WAH, FC, PCR, SCR
Johnson Creek 0 to 8.2	Licking River	05100101	ROBERTSON	2-FS	2-FS	2-FS	3	3	3	3/17/2011 - 3/18/2011	WAH, FC, PCR, SCR
Johnson Creek 14.6 to 21.8	Licking River	05100101	FLEMING	2-FS	3	3	3	3	3	3/5/2009	WAH, FC, PCR, SCR
Johnson Creek 6.0 to 8.6	Licking River	05100101	MAGOFFIN	5-NS	3	3	3	3	3	3/5/2009	WAH, FC, PCR, SCR
Kennedy Creek 0 to 5.7	Licking River	05100102	BOURBON	3	5-NS	3	3	3	3	12/8/2011	WAH, FC, PCR, SCR
Kincaid Lake	Licking River	05100101	PENDLETON	5-PS	3	3	3	3	3	3/25/2011	WAH, FC, PCR, SCR
Knox Hill Branch 0 to 2.8	Licking River	05100101	BATH	2-FS	3	3	3	3	3	11/21/2005	WAH, FC, PCR, SCR

Waterbody & Segment	Basin	8-Digit HUC	County	WAH/CAH	PCR	SCR	FC	DWS	OSRW	Assessment Date	Designated Uses
Lake Carnico (Lake Cannigo)	Licking River	05100102	NICHOLAS	2-FS	3	3	3	3	3	3/25/2011	WAH, FC, PCR, SCR
Lees Creek 0 to 4.3	Licking River	05100101	MASON	5-PS	3	3	3	3	3	11/3/2005	WAH, FC, PCR, SCR
Left Fork of Johnson Creek 0 to 3.15	Licking River	05100101	MAGOFFIN	5-NS	3	3	3	3	3	3/5/2009	WAH, FC, PCR, SCR
Left Fork White Oak Creek 0 to 1.8	Licking River	05100101	MORGAN	5-PS	3	3	3	3	3	8/7/2000	WAH, FC, PCR, SCR
Lick Branch 0 to 2.3	Licking River	05100101	MAGOFFIN	5-NS	3	3	3	3	3	3/5/2009	WAH, FC, PCR, SCR
Lick Creek 0 to 2.15	Licking River	05100101	MAGOFFIN	5-PS	3	3	3	3	3	11/3/2005	WAH, FC, PCR, SCR
Lick Creek 2.15 to 4.6	Licking River	05100101	MAGOFFIN	5-NS	3	3	3	3	3	3/6/2009	WAH, FC, PCR, SCR
Licking River 0 to 4.65	Licking River	05100101	CAMPBELL	2-FS	5-PS	3	3	2-FS	3	3/18/2011	WAH, FC, PCR, SCR, DWS
Licking River 102.4 to 103.4	Licking River	05100101	NICHOLAS	3	3	3	3	2-FS	3	3/18/2011	WAH, FC, PCR, SCR, DWS, OSRW
Licking River 110.0 to 130.0	Licking River	05100101	NICHOLAS	3	2-FS	2-FS	3	2-FS	3	3/18/2011	WAH, FC, PCR, SCR, DWS
Licking River 14.7 to 21.3	Licking River	05100101	KENTON	3	2-FS	3	3	3	3	2/8/2001	WAH, FC, PCR, SCR, OSRW
Licking River 145.0 to 148.4	Licking River	05100101	FLEMING	3	2-FS	2-FS	3	3	3	3/6/2001	WAH, FC, PCR, SCR
Licking River 159.3 to 170.4	Licking River	05100101	ROWAN	2-FS	3	3	3	3	2-FS	7/31/2008	WAH, FC, PCR, SCR, OSRW
Licking River 174.3 to 179.5	Licking River	05100101	BATH	2-FS	2-FS	5-PS	3	2-FS	3	3/18/2011	CAH, FC, PCR, SCR, DWS
Licking River 223.0 to 240.0	Licking River	05100101	MORGAN	5-NS	5-NS	5-PS	3	2-FS	3	3/18/2011	WAH, FC, PCR, SCR, DWS
Licking River 248.45 to 263.8	Licking River	05100101	MAGOFFIN	5-PS	3	3	3	3	3	3/18/2011	WAH, FC, PCR, SCR
Licking River 263.8 to 270.4	Licking River	05100101	MAGOFFIN	5-PS	3	3	3	3	3	3/18/2011	WAH, FC, PCR, SCR
Licking River 270.4 to 292.8	Licking River	05100101	MAGOFFIN	5-PS	3	3	3	2-FS	3	3/18/2011	WAH, FC, PCR, SCR, DWS
Licking River 292.8 to 301.1	Licking River	05100101	MAGOFFIN	5-NS	3	3	3	3	3	10/11/2010	WAH, FC, PCR, SCR

Waterbody & Segment	Basin	8-Digit HUC	County	WAH/CAH	PCR	SCR	FC	DWS	OSRW	Assessment Date	Designated Uses
Licking River 30.8 to 37.45	Licking River	05100101	PENDLETON	2-FS	2-FS	2-FS	3	3	2-FS	12/8/2005	WAH, FC, PCR, SCR, OSRW
Licking River 4.65 to 14.7	Licking River	05100101	KENTON	3	5-PS	3	3	3	3	2/8/2001	WAH, FC, PCR, SCR, DWS
Licking River 52.6 to 53.6	Licking River	05100101	PENDLETON	3	3	3	3	2-FS	3	3/18/2011	WAH, FC, PCR, SCR, DWS, OSRW
Licking River 76.65 to 88.8	Licking River	05100101	HARRISON	5-NS	5-NS	5-PS	3	3	5-NS	3/18/2011	WAH, FC, PCR, SCR, OSRW
Little Beaver Creek 0 to 3.3	Licking River	05100101	HARRISON	5-PS	3	3	3	3	3	11/3/2005	WAH, FC, PCR, SCR
Little Blackwater Creek 0 to 7.15	Licking River	05100101	MORGAN	5-PS	3	3	3	3	3	10/8/2010	WAH, FC, PCR, SCR
Little Caney Creek 0 to 1.95	Licking River	05100101	MORGAN	5-PS	3	3	3	3	3	10/8/2010	WAH, FC, PCR, SCR
Little Flat Creek 0 to 2.3	Licking River	05100101	BATH	2-FS	3	3	3	3	3	8/8/2000	WAH, FC, PCR, SCR
Little Stoner Creek 0 to 5.3	Licking River	05100102	CLARK	3	5-NS	3	3	3	3	8/14/2000	WAH, FC, PCR, SCR
Lockegee Branch 0 to 1.5	Licking River	05100101	ROWAN	2-FS	3	3	3	3	3	9/20/2005	WAH, FC, PCR, SCR
Locust Creek 0 to 11.8	Licking River	05100101	FLEMING	5-PS	3	3	3	3	3	11/4/2005	WAH, FC, PCR, SCR
Logan Run 0 to 2.3	Licking River	05100101	FLEMING	5-NS	4A-NS	3	3	3	3	3/23/2001	WAH, FC, PCR, SCR
Long Branch 0 to 3.9	Licking River	05100101	MAGOFFIN	5-NS	3	3	3	3	3	3/6/2009	WAH, FC, PCR, SCR
Mash Fork 0 to 3.0	Licking River	05100101	MAGOFFIN	5-PS	3	3	3	3	3	11/4/2005	WAH, FC, PCR, SCR
Middle Fork Grassy Creek 0 to 8.6	Licking River	05100101	PENDLETON	2-FS	3	3	3	3	3	3/22/2011	WAH, FC, PCR, SCR
Middle Fork of Licking River 0.0 to 2.7	Licking River	05100101	MAGOFFIN	2-FS	5-NS	3	2-FS	3	3	4/9/2001	WAH, FC, PCR, SCR
Mill Creek 0 to 2.6	Licking River	05100101	BATH	2-FS	3	3	3	3	3	8/8/2000	WAH, FC, PCR, SCR
Mill Creek 0 to 21.8	Licking River	05100102	HARRISON	5-PS	3	3	3	3	3	11/4/2005	WAH, FC, PCR, SCR
Mill Creek 0 to 6.4	Licking River	05100101	MASON	2-FS	3	3	3	3	3	11/4/2005	WAH, FC, PCR, SCR

Waterbody & Segment	Basin	8-Digit HUC	County	WAH/CAH	PCR	SCR	FC	DWS	OSRW	Assessment Date	Designated Uses
Minor Creek 0 to 2.8	Licking River	05100101	MORGAN	2-FS	3	3	3	3	3	9/20/2005	CAH, FC, PCR, SCR
Minor Creek 2.8 to 7.0	Licking River	05100101	MORGAN	2-FS	3	3	3	3	3	11/4/2005	WAH, FC, PCR, SCR
North Fork Licking River 12.3 to 13.4	Licking River	05100101	MORGAN	5-PS	3	3	3	3	5-PS	6/22/2004	WAH, FC, PCR, SCR, OSRW
North Fork Licking River 18.55 to 45.5	Licking River	05100101	BRACKEN	5-NS	5-NS	3	3	3	3	3/22/2011	WAH, FC, PCR, SCR
North Fork Licking River 2.3 to 18.55	Licking River	05100101	BRACKEN	2-FS	5-NS	2-FS	3	3	3	3/22/2011	WAH, FC, PCR, SCR
North Fork Licking River 45.5 to 52.55	Licking River	05100101	MASON	2-FS	3	3	3	3	3	3/22/2011	WAH, FC, PCR, SCR
North Fork Licking River 8.5 to 12.3	Licking River	05100101	MORGAN	2-FS	5-NS	2-FS	3	3	2-FS	10/11/2010	WAH, FC, PCR, SCR, OSRW
North Fork Triplett Creek 1.2 to 14.9	Licking River	05100101	ROWAN	3	3	3	3	3	3		WAH, FC, PCR, SCR
North Fork Triplett Creek 14.9 to 15.9	Licking River	05100101	ROWAN	2-FS	3	3	3	3	3	12/31/2000	WAH, FC, PCR, SCR
Oakley Creek 0 to 0.9	Licking River	05100101	MAGOFFIN	3	3	3	3	3	3		WAH, FC, PCR, SCR
Oldfield Fork 0 to 3.6	Licking River	05100101	MORGAN	5-NS	3	3	3	3	3	11/4/2005	WAH, FC, PCR, SCR
Passenger Branch 0.0 to 1.9	Licking River	05100101	ROWAN	2-FS	3	3	3	3	3	1/18/2001	WAH, FC, PCR, SCR
Phillips Creek 0.0 to 5.4	Licking River	05100101	CAMPBELL	3	5-NS	3	3	3	3	3/6/2001	WAH, FC, PCR, SCR
Plum Lick Creek 0 to 5.9	Licking River	05100102	BOURBON	5-PS	5-NS	3	3	3	3	12/2/2011	WAH, FC, PCR, SCR
Poplar Creek 0 to 1.2	Licking River	05100101	FLEMING	3	4A-NS	3	3	3	3	10/28/2010	WAH, FC, PCR, SCR
Powder Lick Branch 0 to 3.5	Licking River	05100101	LEWIS	2-FS	3	3	3	3	3	11/8/2005	WAH, FC, PCR, SCR
Pretty Run 0 to 8.1	Licking River	05100102	BOURBON	5-NS	3	3	3	3	3	3/12/2009	WAH, FC, PCR, SCR
Prickly Ash Creek 0 to 3.3	Licking River	05100101	BATH	5-NS	3	3	3	3	3	8/9/2000	WAH, FC, PCR, SCR
Puncheon Camp Creek 0 to 1.15	Licking River	05100101	MAGOFFIN	5-PS	5-NS	3	3	3	3	10/11/2010	WAH, FC, PCR, SCR

Waterbody & Segment	Basin	8-Digit HUC	County	WAH/CAH	PCR	SCR	FC	DWS	OSRW	Assessment Date	Designated Uses
Raven Creek 0 to 5.5	Licking River	05100102	HARRISON	2-FS	3	3	3	3	3	11/8/2005	WAH, FC, PCR, SCR
Right Fork of Middle Fork of Licking River 3.1 to 4.6	Licking River	05100101	MAGOFFIN	5-PS	3	3	3	3	3	3/11/2009	WAH, FC, PCR, SCR
Rock Fork 0 to 4.0	Licking River	05100101	ROWAN	5-PS	3	3	3	3	3	11/8/2005	WAH, FC, PCR, SCR
Rock Lick 0 to 0.8	Licking River	05100101	FLEMING	3	3	3	3	3	3		WAH, FC, PCR, SCR
Rockhouse Creek 0 to 4.5	Licking River	05100101	MORGAN	3	3	3	3	3	3		WAH, FC, PCR, SCR
Salt Lick Creek 2.7 to 8.7	Licking River	05100101	BATH	5-PS	3	3	3	3	3	6/1/1999	WAH, FC, PCR, SCR
Salt Lick Creek 8.8 to 14.9	Licking River	05100101	BATH	2-FS	3	3	3	3	3	6/30/2004	WAH, FC, PCR, SCR
Salt Spring Branch 0.7 to 2.0	Licking River	05100101	MENIFEE	2-FS	3	3	3	3	3	11/8/2005	WAH, FC, PCR, SCR
Sand Lick Creek 0 to 5.9	Licking River	05100101	FLEMING	2-FS	3	3	3	3	3	8/1/1999	WAH, FC, PCR, SCR
Sand Lick Creek 5.9 to 8.2	Licking River	05100101	FLEMING	2-FS	3	3	3	3	3	6/23/2005	WAH, FC, PCR, SCR
Sandlick Creek Lake (Fox Valley Lake)	Licking River	05100101	FLEMING	2-FS	3	3	3	3	3	3/25/2011	WAH, FC, PCR, SCR
Sawyers Fork 0 to 3.3	Licking River	05100101	KENTON	2-FS	3	3	3	3	2-FS	11/8/2005	WAH, FC, PCR, SCR, OSRW
Scott Creek 2.1 to 5.7	Licking River	05100101	ROWAN	5-NS	3	3	3	3	3	10/11/2010	WAH, FC, PCR, SCR
Scrubgrass Creek 0 to 1.6	Licking River	05100101	NICHOLAS	5-NS	3	3	3	3	3	8/9/2000	WAH, FC, PCR, SCR
Shannon Creek 0 to 8.7	Licking River	05100101	MASON	2-FS	3	3	3	3	3	11/8/2005	WAH, FC, PCR, SCR
Short Creek 0 to 7.9	Licking River	05100102	PENDLETON	2-FS	3	3	3	3	3	11/8/2005	WAH, FC, PCR, SCR
Silas Creek 0 to 4.75	Licking River	05100102	HARRISON	3	2-FS	3	3	3	3	6/28/2011	WAH, FC, PCR, SCR
Slabcamp Creek 0 to 3.7	Licking River	05100101	ROWAN	2-FS	3	3	3	3	2-FS	9/20/2005	CAH, FC, PCR, SCR, OSRW
Slate Creek 0 to 13.55	Licking River	05100101	BATH	5-PS	5-PS	2-FS	2-FS	3	5-PS	3/22/2011	WAH, FC, PCR, SCR, OSRW

Waterbody & Segment	Basin	8-Digit HUC	County	WAH/CAH	PCR	SCR	FC	DWS	OSRW	Assessment Date	Designated Uses
Slate Creek 17.2 to 18.2	Licking River	05100101	BATH	3	3	3	3	2-FS	3	11/9/2005	WAH, FC, PCR, SCR, DWS
Slate Creek 36.1 to 37.1	Licking River	05100101	MONTGOMERY	3	3	3	3	2-FS	3	3/22/2011	WAH, FC, PCR, SCR, DWS
Slate Creek 42.8 to 52.2	Licking River	05100101	MONTGOMERY	3	2-FS	3	3	3	3	2/15/2001	WAH, FC, PCR, SCR
Slate Creek 52.9 to 57.15	Licking River	05100101	MENIFEE	5-PS	3	3	3	3	3	3/22/2011	WAH, FC, PCR, SCR
Slate Creek 57.15 to 58.15	Licking River	05100101	MENIFEE	4C-PS	3	3	3	3	3	3/22/2011	WAH, FC, PCR, SCR
Sleepy Run 0 to 3.1	Licking River	05100101	FLEMING	3	4A-NS	3	3	3	3	5/2/2002	WAH, FC, PCR, SCR
Somerset Creek 0 to 4.45	Licking River	05100102	NICHOLAS	2-FS	3	3	3	3	3	3/23/2011	WAH, FC, PCR, SCR
South Fork Grassy Creek 10.35 to 15.15	Licking River	05100101	PENDLETON	2-FS	2-FS	2-FS	3	3	2-FS	3/22/2011	WAH, FC, PCR, SCR, OSRW
South Fork Licking River 11.6 to 16.95	Licking River	05100102	PENDLETON	2-FS	5-NS	2-FS	3	3	3	3/23/2011	WAH, FC, PCR, SCR
South Fork Licking River 16.95 to 27.6	Licking River	05100102	HARRISON	2-FS	2-FS	3	3	3	3	8/11/2000	WAH, FC, PCR, SCR
South Fork Licking River 2.2 to 7.0	Licking River	05100102	PENDLETON	2-FS	2-FS	3	3	3	3	8/11/2000	WAH, FC, PCR, SCR
South Fork Licking River 35.0 to 46.4	Licking River	05100102	HARRISON	2-FS	2-FS	3	3	3	3	8/11/2000	WAH, FC, PCR, SCR
South Fork Licking River 51.1 to 52.1	Licking River	05100102	HARRISON	3	3	3	3	2-FS	3	11/14/2005	WAH, FC, PCR, SCR, DWS
South Fork Licking River 7.0 to 11.6	Licking River	05100102	PENDLETON	2-FS	3	3	3	3	3	8/11/2000	WAH, FC, PCR, SCR
Spruce Creek 0 to 1.7	Licking River	05100101	MONTGOMERY	5-PS	3	3	3	3	3	11/14/2005	WAH, FC, PCR, SCR
Spruce Pine Fork 0 to 1.4	Licking River	05100101	MAGOFFIN	5-NS	3	3	3	3	3	3/11/2009	WAH, FC, PCR, SCR
State Road Fork 0 to 1.4	Licking River	05100101	MAGOFFIN	5-PS	3	3	3	3	3	3/11/2009	WAH, FC, PCR, SCR
Stinson Creek 0 to 3.3	Licking River	05100101	MAGOFFIN	5-NS	3	3	3	3	3	3/11/2009	WAH, FC, PCR, SCR
Stonecoal Branch 0 to 2.5	Licking River	05100101	ROWAN	2-FS	3	3	3	3	3	4/11/2001	WAH, FC, PCR, SCR

Waterbody & Segment	Basin	8-Digit HUC	County	WAH/CAH	PCR	SCR	FC	DWS	OSRW	Assessment Date	Designated Uses
Stoner Creek 0 to 5.55	Licking River	05100102	BOURBON	2-FS	5-NS	2-FS	3	3	3	3/23/2011	WAH, FC, PCR, SCR
Stoner Creek 16.7 to 17.3	Licking River	05100102	BOURBON	3	3	3	3	2-FS	3	11/14/2005	WAH, FC, PCR, SCR, DWS
Stoner Creek 17.3 to 30.1	Licking River	05100102	BOURBON	3	5-PS	3	3	3	3	8/14/2000	WAH, FC, PCR, SCR
Stoner Creek 35.7 to 45.1	Licking River	05100102	CLARK	3	5-NS	3	3	3	3	12/2/2011	WAH, FC, PCR, SCR
Stoner Creek 45.1 to 60.95	Licking River	05100102	BOURBON	3	2-FS	3	3	3	3	12/8/2011	WAH, FC, PCR, SCR
Stoner Creek 5.55 to 15.0	Licking River	05100102	BOURBON	3	5-NS	3	3	3	3	12/2/2011	WAH, FC, PCR, SCR
Stoner Creek 60.95 to 72.2	Licking River	05100102	CLARK	3	3	3	3	3	3		WAH, FC, PCR, SCR
Stony Creek 0 to 3.0	Licking River	05100101	NICHOLAS	5-NS	3	3	3	3	3	8/10/2000	WAH, FC, PCR, SCR
Straight Creek 0 to 1.8	Licking River	05100101	MORGAN	5-NS	3	3	3	3	3	8/10/2000	WAH, FC, PCR, SCR
Strodes Creek 19.3 to 26.5	Licking River	05100102	CLARK	5-NS	5-NS	5-NS	3	3	3	3/12/2009	WAH, FC, PCR, SCR
Strodes Creek 2.7 to 7.9	Licking River	05100102	BOURBON	5-PS	5-PS	2-FS	2-FS	3	3	3/11/2009	WAH, FC, PCR, SCR
Strodes Creek 7.9 to 19.3	Licking River	05100102	BOURBON	5-NS	5-NS	5-NS	2-FS	3	3	3/12/2009	WAH, FC, PCR, SCR
Threemile Creek 0.1 to 4.7	Licking River	05100101	CAMPBELL	5-NS	5-NS	3	3	3	3	10/1/1999	WAH, FC, PCR, SCR
Town Branch 0 to 4.0	Licking River	05100101	FLEMING	3	4A-NS	3	3	3	3	4/11/2001	WAH, FC, PCR, SCR
Town Branch 0.3 to 3.3	Licking River	05100102	BATH	2-FS	3	3	3	3	3	9/20/2005	WAH, FC, PCR, SCR
Townsend Creek 0 to 2.9	Licking River	05100102	HARRISON	2-FS	2-FS	3	3	3	3	12/2/2011	WAH, FC, PCR, SCR
Townsend Creek 11.7 to 15.9	Licking River	05100102	BOURBON	2-FS	4A-NS	3	3	3	3	6/28/2011	WAH, FC, PCR, SCR
Townsend Creek 2.9 to 4.8	Licking River	05100102	HARRISON	2-FS	4A-NS	3	3	3	3	6/28/2011	WAH, FC, PCR, SCR
Townsend Creek 4.8 to 9.9	Licking River	05100102	BOURBON	2-FS	4A-NS	3	3	3	3	6/28/2011	WAH, FC, PCR, SCR

Waterbody & Segment	Basin	8-Digit HUC	County	WAH/CAH	PCR	SCR	FC	DWS	OSRW	Assessment Date	Designated Uses
Townsend Creek 9.9 to 11.7	Licking River	05100102	BOURBON	2-FS	2-FS	3	3	3	3	6/28/2011	WAH, FC, PCR, SCR
Trace Fork 0 to 3.1	Licking River	05100101	MAGOFFIN	5-PS	3	3	3	3	3	8/10/2000	WAH, FC, PCR, SCR
Triplett Creek 12.3 to 15.7	Licking River	05100102	ROWAN	3	3	3	3	2-FS	3	3/25/2002	WAH, FC, PCR, SCR, DWS
Triplett Creek 15.7 to 20.5	Licking River	05100101	ROWAN	2-FS	3	3	3	3	3	3/12/2001	WAH, FC, PCR, SCR
Triplett Creek 5.8 to 12.3	Licking River	05100101	ROWAN	5-PS	5-NS	5-PS	3	2-FS	3	3/23/2011	WAH, FC, PCR, SCR, DWS
UT of Blacks Creek 0 to 1.7	Licking River	05100102	BOURBON	5-NS	5-NS	3	3	3	3	12/2/2011	WAH, FC, PCR, SCR
UT of Blacks Creek 0 to 2.3	Licking River	05100102	BOURBON	5-NS	5-NS	3	3	3	3	12/2/2011	WAH, FC, PCR, SCR
UT of Blanket Creek 0 to 0.2	Licking River	05100101	PENDLETON	5-NS	3	3	3	3	3	3/23/2011	WAH, FC, PCR, SCR
UT of Cooper Run 0 to 1.0	Licking River	05100102	BOURBON	3	5-NS	3	3	3	3	11/1/2011	WAH, FC, PCR, SCR
UT of Cooper Run 0 to 3.05	Licking River	05100102	BOURBON	5-PS	5-PS	3	3	3	3	12/8/2011	WAH, FC, PCR, SCR
UT of Cooper Run 0 to 3.8	Licking River	05100102	BOURBON	3	5-NS	3	3	3	3	12/8/2011	WAH, FC, PCR, SCR
UT of Flat Creek 0 to 2.2	Licking River	05100101	BATH	2-FS	3	3	3	3	3	4/26/2005	WAH, FC, PCR, SCR
UT of Flat Run 0 to 2.1	Licking River	05100102	BOURBON	5-PS	5-NS	3	3	3	3	12/8/2011	WAH, FC, PCR, SCR
UT of Fleming Creek 0 to 2.1	Licking River	05100101	FLEMING	3	4A-NS	3	3	3	3	1/1/2001	WAH, FC, PCR, SCR
UT of Hancock Creek 0 to 3.72	Licking River	05100102	CLARK	5-NS	5-NS	5-NS	3	3	3	3/16/2009	WAH, FC, PCR, SCR
UT of Houston Creek 0 to 0.6	Licking River	05100102	BOURBON	5-NS	3	3	3	3	3	3/23/2011	WAH, FC, PCR, SCR
UT of Licking River 0 to 1.1	Licking River	05100101	BATH	4C-NS	3	3	3	3	3	3/23/2011	WAH, FC, PCR, SCR
UT of Mill Creek 0 to 4.0	Licking River	05100101	FLEMING	5-NS	3	3	3	3	3	6/29/2004	WAH, FC, PCR, SCR
UT of Pond Creek 0 to 1.15	Licking River	05100101	CAMPBELL	5-NS	3	3	3	3	3	3/23/2011	WAH, FC, PCR, SCR

Waterbody & Segment	Basin	8-Digit HUC	County	WAH/CAH	PCR	SCR	FC	DWS	OSRW	Assessment Date	Designated Uses
UT of Shannon Creek 0 to 2.2	Licking River	05100101	MASON	2-FS	3	3	3	3	2-FS	4/29/2004	WAH, FC, PCR, SCR, OSRW
UT of Strodes Creek 0 to 3.7	Licking River	05100102	CLARK	5-NS	5-NS	5-NS	3	3	3	3/24/2011	WAH, FC, PCR, SCR
UT of Townsend Creek 0 to 0.2	Licking River	05100102	HARRISON	3	5-NS	3	3	3	3	6/30/2011	WAH, FC, PCR, SCR
UT of UT of Lees Creek 0 to 1.3	Licking River	05100101	MASON	5-NS	3	3	3	3	3	11/3/2005	WAH, FC, PCR, SCR
Welch Fork 0 to 1.0	Licking River	05100101	MENIFEE	2-FS	3	3	3	3	2-FS	11/14/2005	WAH, FC, PCR, SCR, OSRW
West Creek 0 to 9.75	Licking River	05100101	HARRISON	2-FS	3	3	3	3	2-FS	3/23/2011	WAH, FC, PCR, SCR, OSRW
Wheel Rim Fork 0 to 2.9	Licking River	05100101	MORGAN	5-PS	3	3	3	3	3	3/23/2011	WAH, FC, PCR, SCR
Williams Creek 0 to 5.8	Licking River	05100101	MORGAN	5-PS	5-NS	3	3	3	3	3/12/2009	WAH, FC, PCR, SCR
Williamstown Lake	Licking River	05100101	GRANT	2-FS	3	3	3	2-FS	3	3/25/2011	WAH, FC, PCR, SCR, DWS
Willow Creek 0 to 6.7	Licking River	05100101	BRACKEN	2-FS	3	3	3	3	3	3/12/2009	WAH, FC, PCR, SCR
Wilson Run 0 to 5.0	Licking River	05100101	FLEMING	3	4A-NS	3	3	3	3	4/11/2001	WAH, FC, PCR, SCR
Woodruff Creek 0 to 3.8	Licking River	05100102	CLARK	5-NS	5-NS	5-NS	3	3	3	3/12/2009	WAH, FC, PCR, SCR
Allcorn Creek 0.7 to 3.2	Little Sandy River	05090104	GREENUP	5-NS	3	3	3	3	3	11/7/2003	WAH, FC, PCR, SCR
Arabs Fork 0 to 5.1	Little Sandy River	05090104	ELLIOTT	2-FS	3	3	3	3	2-FS	11/12/2008	WAH, FC, PCR, SCR, OSRW
Bandy Branch 0 to 1.4	Little Sandy River	05090104	ELLIOTT	5-PS	3	3	3	3	3	1/19/2009	WAH, FC, PCR, SCR
Barrett Creek 0 to 7.2	Little Sandy River	05090104	CARTER	5-PS	3	3	3	3	3	1/21/2004	WAH, FC, PCR, SCR
Big Caney Creek 3.5 to 15.3	Little Sandy River	05090104	ELLIOTT	2-FS	2-FS	3	3	3	2-FS	1/16/2004	CAH, FC, PCR, SCR, OSRW
Big Sinking Creek 0 to 5.7	Little Sandy River	05090104	CARTER	2-FS	3	3	3	3	3	1/19/2009	WAH, FC, PCR, SCR
Big Sinking Creek 5.7 to 15.85	Little Sandy River	05090104	CARTER	2-FS	2-FS	3	3	3	2-FS	1/19/2009	WAH, CAH, FC, PCR, SCR, OSRW

Waterbody & Segment	Basin	8-Digit HUC	County	WAH/CAH	PCR	SCR	FC	DWS	OSRW	Assessment Date	Designated Uses
Buffalo Branch 1.3 to 2.1	Little Sandy River	05090104	GREENUP	3	5-NS	3	3	3	3	1/19/2009	WAH, CAH, FC, PCR, SCR
Cane Creek 0 to 4.1	Little Sandy River	05090104	GREENUP	5-PS	3	3	3	3	3	1/21/2004	WAH, FC, PCR, SCR
Caney Fork 0.9 to 3.5	Little Sandy River	05090104	LAWRENCE	2-FS	3	3	3	3	3	11/11/2003	WAH, FC, PCR, SCR
Clay Fork 0 to 4.0	Little Sandy River	05090104	ELLIOTT	2-FS	3	3	3	3	3	2/9/2004	WAH, FC, PCR, SCR
Dry Fork 1.2 to 4.5	Little Sandy River	05090104	LAWRENCE	5-PS	3	3	3	3	3	1/22/2004	WAH, FC, PCR, SCR
East Fork Little Sandy River 16.9 to 24.9	Little Sandy River	05090104	BOYD	4A-NS	3	3	3	3	3	1/20/2009	WAH, FC, PCR, SCR
East Fork Little Sandy River 24.9 to 26.4	Little Sandy River	05090104	BOYD	2-FS	5-PS	3	3	3	3	1/20/2009	WAH, FC, PCR, SCR
East Fork Little Sandy River 26.4 to 26.8	Little Sandy River	05090104	BOYD	5-PS	3	3	3	3	3	1/20/2009	WAH, CAH, FC, PCR, SCR
East Fork Little Sandy River 27.6 to 30.9	Little Sandy River	05090104	BOYD	5-PS	3	3	3	3	3	1/20/2009	WAH, FC, PCR, SCR
East Fork Little Sandy River 4.7 to 14.2	Little Sandy River	05090104	GREENUP	2-FS	5-PS	3	3	3	3	1/19/2009	WAH, FC, PCR, SCR
Ellingtons Bear Cr 0 to 1.5	Little Sandy River	05090104	BOYD	5-PS	3	3	3	3	3	11/10/2003	WAH, FC, PCR, SCR
Everman Cr 0 to 5.7	Little Sandy River	05090104	CARTER	5-PS	3	3	3	3	3	1/21/2004	WAH, FC, PCR, SCR
Garner Cr 0 to 1.8	Little Sandy River	05090104	BOYD	5-PS	3	3	3	3	3	1/22/2004	WAH, FC, PCR, SCR
Grayson Lake	Little Sandy River	05090104	CARTER	2-FS	3	2-FS	5-PS	2-FS	3	5/29/2008	WAH, FC, PCR, SCR, DWS
Green Br 0 to 1.4	Little Sandy River	05090104	ELLIOTT	2-FS	3	3	3	3	3	9/22/2003	WAH, FC, PCR, SCR
Greenbo Lake	Little Sandy River	05090104	GREENUP	2-FS	3	2-FS	3	3	3	5/29/2008	WAH, CAH, FC, PCR, SCR
Laurel Branch 1.0 to 2.6	Little Sandy River	05090104	ELLIOTT	2-FS	3	3	3	3	3	12/10/2003	WAH, FC, PCR, SCR
Laurel Creek 0 to 7.6	Little Sandy River	05090104	ELLIOTT	2-FS	3	3	3	3	3	9/22/2003	CAH, FC, PCR, SCR
Laurel Creek 11.4 to 14.7	Little Sandy River	05090104	ROWAN	2-FS	3	3	3	3	2-FS	10/10/2006	WAH, CAH, FC, PCR, SCR, OSRW

Waterbody & Segment	Basin	8-Digit HUC	County	WAH/CAH	PCR	SCR	FC	DWS	OSRW	Assessment Date	Designated Uses
Laurel Creek 7.6 to 11.4	Little Sandy River	05090104	ELLIOTT	2-FS	3	3	3	3	2-FS	11/12/2008	CAH, FC, PCR, SCR, OSRW
Left Fork Howard's Creek (Lft Fk Redwine Crk) 0 to 1.2	Little Sandy River	05090104	ELLIOTT	5-PS	3	3	3	3	3	11/7/2003	WAH, FC, PCR, SCR
Lick Fork 0.0 to 5.1	Little Sandy River	05090104	ELLIOTT	5-PS	3	3	3	3	3	12/10/2003	WAH, FC, PCR, SCR
Little Fork Little Sandy River 12.1 to 23.8	Little Sandy River	05090104	CARTER	5-PS	3	3	3	3	3	1/20/2009	WAH, FC, PCR, SCR
Little Fork Little Sandy River 2.3 to 5.0	Little Sandy River	05090104	CARTER	2-FS	2-FS	3	3	3	3	1/20/2009	WAH, FC, PCR, SCR
Little Fork Little Sandy River 23.8 to 29.8	Little Sandy River	05090104	ELLIOTT	5-NS	3	3	3	3	3	1/22/2004	WAH, FC, PCR, SCR
Little Fork Little Sandy River 29.8 to 33.0	Little Sandy River	05090104	ELLIOTT	5-PS	3	3	3	3	3	11/11/2003	WAH, FC, PCR, SCR
Little Fork Little Sandy River 5.0 to 6.0	Little Sandy River	05090104	CARTER	5-PS	3	3	3	3	3	1/20/2009	WAH, FC, PCR, SCR
Little Fork Little Sandy River 6.0 to 12.1	Little Sandy River	05090104	CARTER	5-PS	3	3	3	3	3	1/20/2009	WAH, FC, PCR, SCR
Little Sandy River 0 to 0.15	Little Sandy River	05090104	GREENUP	3	5-NS	3	3	3	3	1/20/2009	WAH, FC, PCR, SCR
Little Sandy River 0.7 to 1.7	Little Sandy River	05090104	GREENUP	3	3	3	3	2-FS	3	1/21/2009	WAH, FC, PCR, SCR, DWS
Little Sandy River 40.1 to 41.1	Little Sandy River	05090104	CARTER	3	3	3	3	2-FS	3	1/21/2009	WAH, FC, PCR, SCR, DWS
Little Sandy River 42.4 to 48.0	Little Sandy River	05090104	CARTER	2-FS	2-FS	3	3	3	3	1/21/2009	WAH, FC, PCR, SCR
Little Sandy River 72.5 to 75.3	Little Sandy River	05090104	ELLIOTT	5-PS	2-FS	3	3	3	3	1/20/2009	WAH, FC, PCR, SCR
Little Sinking Creek 0 to 6.2	Little Sandy River	05090104	CARTER	2-FS	3	3	3	3	3	1/22/2004	WAH, FC, PCR, SCR
Lower Stinson Creek 0 to 1.1	Little Sandy River	05090104	CARTER	5-PS	3	3	3	3	3	2/11/2004	WAH, FC, PCR, SCR
Meadow Branch 0 to 1.4	Little Sandy River	05090104	ELLIOTT	2-FS	3	3	3	3	2-FS	9/22/2003	WAH, FC, PCR, SCR, OSRW
Middle Fork Little Sandy River 0 to 5.8	Little Sandy River	05090104	ELLIOTT	2-FS	3	3	3	3	2-FS	11/12/2008	WAH, FC, PCR, SCR, OSRW
Middle Fork Little Sandy River 5.8 to 7.5	Little Sandy River	05090104	ELLIOTT	5-PS	3	3	3	3	3	1/22/2004	WAH, FC, PCR, SCR

Waterbody & Segment	Basin	8-Digit HUC	County	WAH/CAH	PCR	SCR	FC	DWS	OSRW	Assessment Date	Designated Uses
Near Fork Sandsuck Creek 1.1 to 2.0	Little Sandy River	05090104	GREENUP	5-PS	3	3	3	3	3	1/22/2009	WAH, FC, PCR, SCR
Newcombe Creek 1.1 to 7.3	Little Sandy River	05090104	ELLIOTT	4A-PS	2-FS	3	3	3	3	1/27/2009	WAH, FC, PCR, SCR
Nichols Fork 0.0 to 2.0	Little Sandy River	05090104	ELLIOTT	2-FS	3	3	3	3	2-FS	9/22/2003	WAH, FC, PCR, SCR, OSRW
Oldtown Creek 0 to 1.9	Little Sandy River	05090104	GREENUP	5-PS	3	3	3	3	3	11/10/2003	WAH, FC, PCR, SCR
Pigeon Roost Creek 1.6 to 2.0	Little Sandy River	05090104	BOYD	5-NS	3	3	3	3	3	1/22/2009	WAH, FC, PCR, SCR
Raccoon Creek 0 to 5.0	Little Sandy River	05090104	GREENUP	5-PS	3	3	3	3	3	1/22/2009	WAH, FC, PCR, SCR
Right Fork Newcombe Creek 0 to 4.2	Little Sandy River	05090104	ELLIOTT	5-PS	3	3	3	3	3	12/10/2003	WAH, FC, PCR, SCR
Rocky Branch 0 to 3.2	Little Sandy River	05090104	ELLIOTT	5-PS	3	3	3	3	3	12/10/2003	WAH, FC, PCR, SCR
South Ruin Creek 0.7 to 5.7	Little Sandy River	05090104	ELLIOTT	5-NS	3	3	3	3	3	1/22/2009	WAH, FC, PCR, SCR
Star Creek 0 to 0.6	Little Sandy River	05090104	CARTER	5-NS	3	3	3	3	3	1/22/2009	WAH, FC, PCR, SCR
Straight Creek 0 to 3.8	Little Sandy River	05090104	CARTER	5-PS	3	3	3	3	3	1/22/2004	WAH, FC, PCR, SCR
Tunnel Branch 0 to 1.7	Little Sandy River	05090104	GREENUP	5-NS	3	3	3	3	3	11/10/2003	WAH, FC, PCR, SCR
UT of Barrett Creek 0 to 0.7	Little Sandy River	05090104	CARTER	5-NS	3	3	3	3	3	1/22/2009	WAH, FC, PCR, SCR
UT of Clay Fork 0 to 1.2	Little Sandy River	05090104	ELLIOTT	5-PS	3	3	3	3	3	1/22/2009	WAH, FC, PCR, SCR
UT of East Fork Little Sandy River 0 to 0.3	Little Sandy River	05090104	GREENUP	5-NS	3	3	3	3	3	11/6/2003	WAH, FC, PCR, SCR
UT of Newcombe Creek 0 to 0.95	Little Sandy River	05090104	ELLIOTT	2-FS	3	3	3	3	3	12/10/2003	WAH, FC, PCR, SCR
UT of Newcombe Creek 0 to 1.35	Little Sandy River	05090104	ELLIOTT	2-FS	3	3	3	3	3	12/10/2003	WAH, FC, PCR, SCR
Wells Creek 0 to 3.5	Little Sandy River	05090104	ELLIOTT	5-PS	3	3	3	3	3	1/22/2004	WAH, FC, PCR, SCR
Whetstone Creek 1.2 to 3.3	Little Sandy River	05090104	GREENUP	5-NS	3	3	3	3	3	1/22/2009	WAH, FC, PCR, SCR

Waterbody & Segment	Basin	8-Digit HUC	County	WAH/CAH	PCR	SCR	FC	DWS	OSRW	Assessment Date	Designated Uses
Williams Creek 0 to 2.9	Little Sandy River	05090104	BOYD	5-PS	3	3	3	3	3	1/22/2009	WAH, FC, PCR, SCR
Casey Creek 0 to 3.6	Lower Cumberland	05130205	TRIGG	5-PS	2-FS	3	3	3	3	3/25/2002	WAH, FC, PCR, SCR
Claylick Creek 10.7 to 14.0	Lower Cumberland	05130205	CRITTENDEN	5-PS	3	3	3	3	3	3/22/2006	WAH, FC, PCR, SCR
Claylick Creek 14.8 to 15.7	Lower Cumberland	05130205	CRITTENDEN	2-FS	3	3	3	3	3	5/2/2002	WAH, FC, PCR, SCR
Claylick Creek 2.0 to 4.8	Lower Cumberland	05130205	LIVINGSTON	2-FS	4A-NS	3	3	3	3	1/10/2002	WAH, FC, PCR, SCR
Claylick Creek 4.8 to 10.7	Lower Cumberland	05130205	CRITTENDEN	5-NS	4A-NS	3	3	3	3	3/22/2006	WAH, FC, PCR, SCR
Crab Creek 0 to 4.8	Lower Cumberland	05130205	LYON	5-PS	3	3	3	3	3	2/26/2007	WAH, FC, PCR, SCR
Crooked Creek 3.0 to 9.15	Lower Cumberland	05130205	TRIGG	4C-PS	3	3	3	3	4C-PS	2/10/2012	WAH, FC, PCR, SCR, OSRW
Cumberland River 0 to 28.65	Lower Cumberland	05130205	LIVINGSTON	2-FS	3	3	2-FS	2-FS	2-FS	3/6/2012	WAH, FC, PCR, SCR, DWS, OSRW
Cypress Creek 0.1 to 6.1	Lower Cumberland	05130205	LIVINGSTON	5-NS	3	3	3	3	3	3/22/2007	WAH, FC, PCR, SCR
Donaldson Creek 3.9 to 7.1	Lower Cumberland	05130205	TRIGG	2-FS	3	3	3	3	2-FS	3/7/2012	WAH, FC, PCR, SCR, OSRW
Donaldson Creek 7.1 to 11.6	Lower Cumberland	05130205	TRIGG	5-PS	3	3	3	3	3	5/2/2002	WAH, FC, PCR, SCR
Dry Creek 0 to 3.65	Lower Cumberland	05130205	CALDWELL	5-PS	4A-PS	3	3	3	3	3/6/2012	WAH, FC, PCR, SCR
Dry Fork 0 to 7.3	Lower Cumberland	05130206	LOGAN	5-PS	3	3	3	3	3	5/16/2014	WAH, FC, PCR, SCR
Dry Fork Creek 0 to 8.4	Lower Cumberland	05130205	LYON	2-FS	3	3	3	3	3	3/22/2006	WAH, FC, PCR, SCR
Dry Fork Creek 5.8 to 6.6	Lower Cumberland	05130206	CHRISTIAN	5-NS	3	3	3	3	3	5/2/2002	WAH, FC, PCR, SCR
Eddy Creek 10.25 to 13.15	Lower Cumberland	05130205	CALDWELL	5-PS	3	3	3	3	3	3/21/2012	WAH, FC, PCR, SCR
Eddy Creek 13.15 to 15.9	Lower Cumberland	05130205	CALDWELL	5-NS	4A-NS	3	3	3	3	3/7/2012	WAH, FC, PCR, SCR
Eddy Creek 7.7 to 10.25	Lower Cumberland	05130205	LYON	3	4A-NS	3	3	3	3	3/7/2012	WAH, FC, PCR, SCR

Waterbody & Segment	Basin	8-Digit HUC	County	WAH/CAH	PCR	SCR	FC	DWS	OSRW	Assessment Date	Designated Uses
Elk Fork 22.4 to 31.1	Lower Cumberland	05130206	TODD	5-NS	5-NS	3	3	3	3	3/14/2012	WAH, FC, PCR, SCR
Elk Fork 31.1 to 33.1	Lower Cumberland	05130206	TODD	3	5-NS	3	3	3	3	3/14/2012	WAH, FC, PCR, SCR
Elk Fork 33.1 to 39.6	Lower Cumberland	05130206	TODD	3	2-FS	3	3	3	3	3/14/2012	WAH, FC, PCR, SCR
Elk Fork 7.5 to 22.4	Lower Cumberland	05130206	TODD	2-FS	3	3	3	3	2-FS	7/5/2001	WAH, FC, PCR, SCR, OSRW
Energy Lake	Lower Cumberland	05130205	TRIGG	5-PS	3	2-FS	3	3	3	3/3/2006 - 1/5/2012	WAH, FC, PCR, SCR
Ferguson Creek 0.05 to 1.2	Lower Cumberland	05130205	LIVINGSTON	3	4A-NS	3	3	3	3	3/7/2012	WAH, FC, PCR, SCR
Ferguson Creek 1.2 to 2.3	Lower Cumberland	05130205	LIVINGSTON	5-PS	3	3	3	3	3	5/2/2002	WAH, FC, PCR, SCR
Franklin Creek 0 to 2.4	Lower Cumberland	05130205	TRIGG	3	3	3	3	3	3		WAH, FC, PCR, SCR
Fulton Creek 2.7 to 5.9	Lower Cumberland	05130205	LYON	2-FS	3	3	3	3	3	5/2/2002	WAH, FC, PCR, SCR
Hammond Creek 2.0 to 2.2	Lower Cumberland	05130205	LYON	5-PS	5-PS	3	3	3	3	5/2/2002	WAH, FC, PCR, SCR
Hematite Lake	Lower Cumberland	05130205	TRIGG	5-PS	3	5-PS	3	3	3	1/6/2012	WAH, FC, PCR, SCR
Hickory Creek 0.05 to 3.8	Lower Cumberland	05130205	LIVINGSTON	2-FS	4A-NS	3	3	3	3	3/7/2012	WAH, FC, PCR, SCR
Honker Lake	Lower Cumberland	05130205	LYON	2-FS	3	4C-PS	3	3	3	1/18/2012	WAH, FC, PCR, SCR
Horse Creek 5.8 to 7.6	Lower Cumberland	05130205	CHRISTIAN	4C-NS	3	3	3	3	3	3/7/2012	WAH, FC, PCR, SCR
Kenady Creek 0 to 4.1	Lower Cumberland	05130205	TRIGG	5-PS	3	3	3	3	3	5/2/2002	WAH, FC, PCR, SCR
Lake Barkley	Lower Cumberland	05130205	LYON	2-FS	3	2-FS	2-FS	2-FS	3	1/9/2012	WAH, FC, PCR, SCR, DWS
Lake Blythe	Lower Cumberland	05130205	CHRISTIAN	2-FS	3	2-FS	3	3	3	3/3/2006	WAH, FC, PCR, SCR
Lake Morris	Lower Cumberland	05130205	CHRISTIAN	2-FS	3	2-FS	3	3	3	1/1/2000	WAH, FC, PCR, SCR, DWS
Laura Furnace Creek 0 to 2.9	Lower Cumberland	05130205	TRIGG	3	3	3	3	3	3		WAH, FC, PCR, SCR

Waterbody & Segment	Basin	8-Digit HUC	County	WAH/CAH	PCR	SCR	FC	DWS	OSRW	Assessment Date	Designated Uses
Little River 15.9 to 21.1	Lower Cumberland	05130205	TRIGG	5-PS	3	3	3	2-FS	3	3/7/2012	WAH, FC, PCR, SCR, DWS
Little River 21.1 to 30.6	Lower Cumberland	05130205	TRIGG	5-PS	2-FS	3	5-PS	3	3	3/8/2012	WAH, FC, PCR, SCR
Little River 30.6 to 31.9	Lower Cumberland	05130205	TRIGG	5-NS	4A-PS	3	3	3	3	5/2/2002	WAH, FC, PCR, SCR
Little River 31.9 to 46.1	Lower Cumberland	05130205	TRIGG	5-PS	4A-PS	3	3	3	3	5/2/2002	WAH, FC, PCR, SCR
Little River 46.1 to 58.3	Lower Cumberland	05130205	CHRISTIAN	5-NS	4A-NS	3	3	3	3	5/2/2002	WAH, FC, PCR, SCR
Little Whippoorwill Creek 0 to 4.05	Lower Cumberland	05130206	LOGAN	2-FS	5-NS	3	3	3	3	6/22/2000 - 5/20/2014	WAH, FC, PCR, SCR
Little Whippoorwill Creek 4.05 to 7.0	Lower Cumberland	05130206	LOGAN	3	5-NS	3	3	3	3	5/20/2014	WAH, FC, PCR, SCR
Livingston Creek 11.7 to 15.5	Lower Cumberland	05130205	LYON	5-NS	3	3	3	3	3	3/22/2006	WAH, FC, PCR, SCR
Livingston Creek 4.65 to 7.1	Lower Cumberland	05130205	LYON	5-PS	4A-NS	2-FS	3	3	3	3/8/2012	WAH, FC, PCR, SCR
Long Creek 0.4 to 3.6	Lower Cumberland	05130205	TRIGG	2-FS	3	3	3	3	3	5/2/2002	WAH, FC, PCR, SCR
Long Pond Branch 2.8 to 3.3	Lower Cumberland	05130205	TRIGG	5-NS	3	3	3	3	3	5/2/2002	WAH, FC, PCR, SCR
Lower Branch 3.4 to 9.3	Lower Cumberland	05130205	CHRISTIAN	5-PS	3	3	3	3	3	5/2/2002	WAH, FC, PCR, SCR
Middle Branch North Fork Little River 1.3 to 3.9	Lower Cumberland	05130205	CHRISTIAN	5-PS	3	3	3	3	3	3/22/2006	WAH, FC, PCR, SCR
Montgomery Creek 0 to 11.1	Lower Cumberland	05130206	CHRISTIAN	5-PS	3	3	3	3	3	3/8/2012	WAH, FC, PCR, SCR
Muddy Fork Little River 13.2 to 25.3	Lower Cumberland	05130205	TRIGG	5-NS	3	3	3	3	3	5/2/2002	WAH, FC, PCR, SCR
Muddy Fork Little River 25.3 to 28.8	Lower Cumberland	05130205	TRIGG	5-NS	3	3	3	3	3	3/9/2012	WAH, FC, PCR, SCR
Muddy Fork Little River 3.45 to 6.6	Lower Cumberland	05130205	TRIGG	2-FS	2-FS	3	3	3	3	3/8/2012	WAH, FC, PCR, SCR
North Fork Little River 0 to 0.3	Lower Cumberland	05130205	CHRISTIAN	5-NS	4A-PS	3	3	3	3	3/9/2012	WAH, FC, PCR, SCR
North Fork Little River 0.3 to 7.0	Lower Cumberland	05130205	CHRISTIAN	5-PS	4A-PS	3	3	3	3	3/9/2012	WAH, FC, PCR, SCR

Waterbody & Segment	Basin	8-Digit HUC	County	WAH/CAH	PCR	SCR	FC	DWS	OSRW	Assessment Date	Designated Uses
North Fork Little River 10.9 to 16.2	Lower Cumberland	05130205	CHRISTIAN	5-NS	4A-NS	3	3	3	3	3/9/2012	WAH, FC, PCR, SCR
North Fork Little River 7.0 to 10.9	Lower Cumberland	05130205	CHRISTIAN	5-NS	4A-NS	3	3	3	3	3/9/2012	WAH, FC, PCR, SCR
North Fork Whippoorwill Creek 1.2 to 2.45	Lower Cumberland	05130206	TODD	5-NS	3	3	3	3	3	5/16/2014	WAH, FC, PCR, SCR
Pleasant Grove Creek 0 to 2.25	Lower Cumberland	05130206	LOGAN	5-PS	5-NS	3	3	3	3	5/20/2014	WAH, FC, PCR, SCR
Pleasant Run 0 to 2.15	Lower Cumberland	05130206	LOGAN	2-FS	5-NS	3	3	3	3	5/21/2014	WAH, FC, PCR, SCR
Red River 50.9 to 54.5	Lower Cumberland	05130206	ROBERTSON	2-FS	5-NS	3	3	3	3	3/9/2012 - 5/16/2014	WAH, FC, PCR, SCR
Red River 54.5 to 56.95	Lower Cumberland	05130206	LOGAN	2-FS	5-PS	3	3	3	3	5/16/2014	WAH, FC, PCR, SCR
Red River 56.95 to 65.8	Lower Cumberland	05130206	LOGAN	2-FS	5-NS	3	2-FS	3	3	5/20/2014	WAH, FC, PCR, SCR
Red River 65.8 to 74.3	Lower Cumberland	05130206	LOGAN	5-PS	2-FS	3	3	3	3	5/20/2014	WAH, FC, PCR, SCR
Red River 74.3 to 81.3	Lower Cumberland	05130206	SIMPSON	5-PS	5-NS	3	3	3	3	6/23/2000 - 5/20/2014	WAH, FC, PCR, SCR
Richland Creek 0.7 to 5.4	Lower Cumberland	05130205	LIVINGSTON	3	4A-NS	3	3	3	3	3/9/2012	WAH, FC, PCR, SCR
Sandy Creek 0.1 to 2.4	Lower Cumberland	05130205	LIVINGSTON	3	4A-NS	3	3	3	3	3/9/2012	WAH, FC, PCR, SCR
Sinkhole Near Muddy Fork	Lower Cumberland	05130205	TRIGG	5-NS	3	3	3	3	3	3/14/2007	WAH, FC, PCR, SCR
Sinking Creek 0 to 3.3	Lower Cumberland	05130206	LOGAN	3	5-NS	3	3	3	3	5/21/2014	WAH, FC, PCR, SCR
Sinking Fork 13.6 to 16.9	Lower Cumberland	05130205	CHRISTIAN	5-NS	3	3	3	3	3	5/2/2002	WAH, FC, PCR, SCR
Sinking Fork 2.1 to 5.55	Lower Cumberland	05130205	TRIGG	5-NS	5-NS	3	3	3	3	3/9/2012	WAH, FC, PCR, SCR
Sinking Fork 24.45 to 31.0	Lower Cumberland	05130205	CHRISTIAN	2-FS	3	3	3	3	3	2/26/2009	WAH, FC, PCR, SCR
Sinking Fork 31.0 to 32.7	Lower Cumberland	05130205	CHRISTIAN	5-NS	3	3	3	3	3	3/22/2006	WAH, FC, PCR, SCR
Skinframe Creek 0 to 4.8	Lower Cumberland	05130205	LYON	5-NS	4A-NS	3	3	3	3	5/2/2002 - 3/9/2012	CAH, FC, PCR, SCR

Waterbody & Segment	Basin	8-Digit HUC	County	WAH/CAH	PCR	SCR	FC	DWS	OSRW	Assessment Date	Designated Uses
Skinner Creek 0 to 5.9	Lower Cumberland	05130205	TRIGG	5-NS	3	3	3	3	3	5/2/2002	WAH, FC, PCR, SCR
Smith Branch 0 to 1.05	Lower Cumberland	05130206	LOGAN	5-PS	3	3	3	3	3	3/9/2012	WAH, FC, PCR, SCR
South Fork Little River 0 to 10.3	Lower Cumberland	05130205	CHRISTIAN	5-NS	4A-NS	3	3	3	3	3/28/2007	WAH, FC, PCR, SCR
South Fork Little River 10.3 to 20.3	Lower Cumberland	05130205	CHRISTIAN	5-PS	4A-NS	3	3	3	3	3/9/2012	WAH, FC, PCR, SCR
South Fork Little River 21.3 to 26.1	Lower Cumberland	05130205	CHRISTIAN	5-NS	3	3	3	3	3	5/2/2002	WAH, FC, PCR, SCR
South Fork Red River 0 to 5.3	Lower Cumberland	05130206	LOGAN	2-FS	5-NS	3	3	3	3	5/20/2014	WAH, FC, PCR, SCR
South Fork Red River 5.3 to 7.9	Lower Cumberland	05130206	LOGAN	3	3	3	3	2-FS	3	5/2/2002	WAH, FC, PCR, SCR, DWS
Spring Creek 14.4 to 16.4	Lower Cumberland	05130206	TODD	2-FS	3	3	3	3	3	3/15/2007	WAH, FC, PCR, SCR
Spring Creek 3.0 to 3.5	Lower Cumberland	05130205	LYON	5-NS	3	3	3	3	3	5/2/2002	WAH, FC, PCR, SCR
Sugar Creek 1.3 to 1.9	Lower Cumberland	05130205	CHRISTIAN	5-NS	3	3	3	3	3	5/2/2002	WAH, FC, PCR, SCR
Sugar Creek 2.2 to 6.9	Lower Cumberland	05130205	LIVINGSTON	5-PS	4A-PS	3	3	3	5-PS	3/9/2012	WAH, FC, PCR, SCR, OSRW
Sulphur Spring Creek 0 to 6.6	Lower Cumberland	05130206	SIMPSON	2-FS	5-PS	3	3	3	3	5/21/2014	WAH, FC, PCR, SCR
Upper Branch North Fork Little River 0 to 2.8	Lower Cumberland	05130205	CHRISTIAN	5-PS	3	3	3	3	3	5/2/2002	WAH, FC, PCR, SCR, DWS
UT of Cumberland River 0.10 to 2.20	Lower Cumberland	05130205	LIVINGSTON	5-NS	3	3	3	3	3	3/9/2012	WAH, FC, PCR, SCR
UT of Dry Creek 0 to 2.9	Lower Cumberland	05130205	TRIGG	5-NS	3	3	3	3	3	10/3/2007	WAH, FC, PCR, SCR
UT of Elk Fork Creek 0 to 4.8	Lower Cumberland	05130206	TODD	3	5-PS	3	3	3	3	3/14/2012	WAH, FC, PCR, SCR
UT of Fulton Creek 0 to 0.8	Lower Cumberland	05130205	LYON	2-FS	3	3	3	3	3	10/10/2006	WAH, FC, PCR, SCR
UT of Little Whippoorwill Creek 0.1 to 0.6	Lower Cumberland	05130206	LOGAN	5-NS	3	3	3	3	3	3/22/2006	WAH, FC, PCR, SCR
UT of West Fork Red River 0 to 6.0	Lower Cumberland	05130206	TODD	5-PS	3	3	3	3	3	3/14/2012	WAH, FC, PCR, SCR

Waterbody & Segment	Basin	8-Digit HUC	County	WAH/CAH	PCR	SCR	FC	DWS	OSRW	Assessment Date	Designated Uses
UT of Whippoorwill Creek 0 to 1.44	Lower Cumberland	05130206	TODD	2-FS	3	3	3	3	3	5/16/2014	WAH, FC, PCR, SCR
Wallace Fork 0 to 3.0	Lower Cumberland	05130205	CHRISTIAN	5-PS	3	3	3	3	3	3/14/2012	WAH, FC, PCR, SCR
Warrens Fork 0 to 3.5	Lower Cumberland	05130205	CHRISTIAN	5-PS	3	3	3	3	3	3/14/2012	WAH, FC, PCR, SCR
West Fork Creek (not named on map) 0.6 to 2.0	Lower Cumberland	05130206	TODD	5-PS	3	3	3	3	3	5/2/2002	WAH, FC, PCR, SCR
West Fork Red River 14.75 to 26.8	Lower Cumberland	05130206	CHRISTIAN	2-FS	5-PS	3	3	3	2-FS	3/14/2012	CAH, FC, PCR, SCR, OSRW
Whippoorwill Creek 0 to 13.2	Lower Cumberland	05130206	LOGAN	2-FS	5-PS	3	3	3	2-FS	3/14/2012	WAH, FC, PCR, SCR, OSRW
White Creek 0 to 2.2	Lower Cumberland	05130205	CHRISTIAN	5-NS	3	3	3	3	3	3/14/2012	WAH, FC, PCR, SCR
Bayou de Chien 0 to 4.2	Mississippi River	08010201	FULTON	3	3	3	5-PS	3	3	2/20/2009	WAH, FC, PCR, SCR
Bayou de Chien 14.3 to 26.1	Mississippi River	08010201	HICKMAN	2-FS	4A-NS	3	2-FS	3	2-FS	3/21/2012	WAH, FC, PCR, SCR, OSRW
Bayou de Chien 8.8 to 14.3	Mississippi River	08010201	HICKMAN	5-NS	2-FS	3	3	3	3	2/27/2007 - 3/21/2012	WAH, FC, PCR, SCR
Brush Creek 0 to 6.3	Mississippi River	08010201	HICKMAN	5-PS	3	3	3	3	3	7/7/2000	WAH, FC, PCR, SCR
Brush Creek 0 to 8.4	Mississippi River	08010201	GRAVES	5-PS	3	3	3	3	3	7/5/2001	WAH, FC, PCR, SCR
Caddle Creek 0 to 2.0	Mississippi River	08010201	CARLISLE	5-PS	3	3	3	3	3	3/21/2012	WAH, FC, PCR, SCR
Caldwell Creek 0.0 to 2.95	Mississippi River	08010202	GRAVES	5-NS	3	3	3	3	3	6/26/2000	WAH, FC, PCR, SCR
Cane Creek 0 to 4.4	Mississippi River	08010201	HICKMAN	5-NS	3	3	3	3	3	2/23/2007	WAH, FC, PCR, SCR
Cane Creek 0 to 5.3	Mississippi River	08010201	HICKMAN	5-PS	3	3	3	3	5-PS	7/12/2000	WAH, FC, PCR, SCR, OSRW
Cane Creek 0.3 to 4.1	Mississippi River	08010100	BALLARD	5-PS	3	3	3	3	3	7/6/2000	WAH, FC, PCR, SCR
Cane Creek 3.3 to 4.1	Mississippi River	08010201	GRAVES	5-PS	5-PS	3	3	3	3	5/4/2002	WAH, FC, PCR, SCR
Central Creek 0.8 to 2.5	Mississippi River	08010201	CARLISLE	3	4A-NS	3	3	3	3	3/25/2002	WAH, FC, PCR, SCR

Waterbody & Segment	Basin	8-Digit HUC	County	WAH/CAH	PCR	SCR	FC	DWS	OSRW	Assessment Date	Designated Uses
Cooley Creek 0.65 to 2.4	Mississippi River	08010201	GRAVES	3	4A-NS	3	3	3	3	5/2/2002	WAH, FC, PCR, SCR
Fish Lake	Mississippi River	08010100	BALLARD	2-FS	3	2-FS	5-PS	3	3	1/4/2012	WAH, FC, PCR, SCR
Gilbert Creek 1.7 to 3.5	Mississippi River	08010201	GRAVES	5-NS	3	3	3	3	3	5/2/2002	WAH, FC, PCR, SCR
Goose Creek 0 to 4.4	Mississippi River	08010201	GRAVES	5-PS	3	3	3	3	3	6/29/2000	WAH, FC, PCR, SCR
Hazel Creek 0 to 3.7	Mississippi River	08010100	BALLARD	5-NS	3	3	3	3	3	7/6/2000	WAH, FC, PCR, SCR
Hurricane Creek 0 to 3.7	Mississippi River	08010201	CARLISLE	5-PS	3	3	3	3	3	3/21/2006	WAH, FC, PCR, SCR
Jackson Creek 0 to 3.0	Mississippi River	08010201	GRAVES	2-FS	3	3	3	3	2-FS	10/10/2006	WAH, FC, PCR, SCR, OSRW
Key Creek 0 to 1.9	Mississippi River	08010201	GRAVES	5-NS	3	3	3	3	3	2/28/2007	WAH, FC, PCR, SCR
Knob Creek 1.4 to 3.1	Mississippi River	08010202	GRAVES	5-NS	3	3	3	3	3	5/2/2002	WAH, FC, PCR, SCR
Lick Creek 0 to 2.2	Mississippi River	08010201	CARLISLE	5-PS	3	3	3	3	3	2/28/2007	WAH, FC, PCR, SCR
Little Bayou de Chein 10.0 to 12.3	Mississippi River	08010201	FULTON	5-NS	3	3	3	3	3	5/2/2002	WAH, FC, PCR, SCR
Little Bayou de Chien 0 to 1.3	Mississippi River	08010201	HICKMAN	5-PS	3	3	3	3	3	5/2/2002	WAH, FC, PCR, SCR
Little Creek 0 to 5.3	Mississippi River	08010201	CARLISLE	5-NS	3	3	3	3	3	7/7/2000	WAH, FC, PCR, SCR
Little Cypress Creek 0 to 2.0	Mississippi River	08010201	GRAVES	5-NS	3	3	3	3	3	6/26/2000	WAH, FC, PCR, SCR
Little Cypress Creek 0 to 3.6	Mississippi River	08010201	HICKMAN	5-PS	3	3	3	3	3	3/22/2006	WAH, FC, PCR, SCR
Little Cypress Creek 3.6 to 9.2	Mississippi River	08010201	HICKMAN	2-FS	3	3	3	3	3	11/7/2001	WAH, FC, PCR, SCR
Little Mayfield Creek 0 to 10.6	Mississippi River	08010201	GRAVES	5-PS	3	3	3	3	3	10/10/2006	WAH, FC, PCR, SCR
Little Mud Creek 0 to 1.95	Mississippi River	08010201	FULTON	5-PS	3	3	3	3	3	7/12/2000	WAH, FC, PCR, SCR
Long Creek 0 to 0.8	Mississippi River	08010201	CARLISLE	5-PS	5-PS	3	3	3	3	5/2/2002	WAH, FC, PCR, SCR

Waterbody & Segment	Basin	8-Digit HUC	County	WAH/CAH	PCR	SCR	FC	DWS	OSRW	Assessment Date	Designated Uses
Mayfield Creek 1.7 to 5.0	Mississippi River	08010201	CARLISLE	5-PS	3	3	3	3	3	7/10/2000	WAH, FC, PCR, SCR
Mayfield Creek 10.65 to 16.0	Mississippi River	08010201	CARLISLE	5-NS	5-NS	2-FS	3	3	3	3/21/2012	WAH, FC, PCR, SCR
Mayfield Creek 16.0 to 35.7	Mississippi River	08010201	MCCRACKEN	5-NS	3	3	3	3	3	6/20/2007	WAH, FC, PCR, SCR
Mayfield Creek 35.7 to 37.7	Mississippi River	08010201	GRAVES	5-PS	3	3	3	3	3	5/2/2002	WAH, FC, PCR, SCR
Mayfield Creek 37.7 to 40.4	Mississippi River	08010201	GRAVES	5-NS	5-NS	3	3	3	3	3/21/2012	WAH, FC, PCR, SCR
Mayfield Creek 40.4 to 43.3	Mississippi River	08010201	GRAVES	5-NS	3	3	3	3	3	7/25/2006	WAH, FC, PCR, SCR
Mayfield Creek 51.65 to 59.5	Mississippi River	08010201	GRAVES	5-PS	3	3	3	3	3	3/21/2012	WAH, FC, PCR, SCR
Mayfield Creek 59.5 to 61.9	Mississippi River	08010201	CALLOWAY	5-NS	3	3	3	3	3	5/2/2002	WAH, FC, PCR, SCR
Mississippi River 891.1 to 953.5	Mississippi River	08010100	FULTON	3	3	3	2-FS	3	3	3/2/2007	WAH, FC, PCR, SCR, OSRW
Mud Creek 0 to 7.8	Mississippi River	08010201	FULTON	5-NS	3	3	3	3	3	4/1/1998	WAH, FC, PCR, SCR
Obion Creek 1.35 to 16.25	Mississippi River	08010201	HICKMAN	5-NS	5-NS	3	3	3	3	3/21/2012	WAH, FC, PCR, SCR
Obion Creek 26.35 to 33.25	Mississippi River	08010201	HICKMAN	2-FS	3	3	3	3	2-FS	2/25/2009	WAH, FC, PCR, SCR, OSRW
Obion Creek 33.25 to 36.55	Mississippi River	08010201	HICKMAN	5-NS	3	3	3	3	5-NS	2/25/2009	WAH, FC, PCR, SCR, OSRW
Obion Creek 41.0 to 44.4	Mississippi River	08010201	HICKMAN	5-NS	3	3	3	3	3	2/25/2009	WAH, FC, PCR, SCR
Obion Creek 44.4 to 49.9	Mississippi River	08010201	HICKMAN	5-PS	3	3	3	3	3	2/25/2009	WAH, FC, PCR, SCR
Obion Creek 49.9 to 55.7	Mississippi River	08010201	GRAVES	5-PS	3	3	3	3	3	2/26/2009	WAH, FC, PCR, SCR
Opossum Creek 0 to 2.3	Mississippi River	08010201	GRAVES	5-NS	3	3	3	3	3	6/26/2000	WAH, FC, PCR, SCR
Reeves Branch 0 to 0.3	Mississippi River	08010202	CALLOWAY	5-PS	3	3	3	3	3	5/2/2002	WAH, FC, PCR, SCR
Relict (natural channel) Mayfield Creek 17.4 to 20.4	Mississippi River	08010201	CARLISLE	5-NS	3	3	3	3	3	10/3/2007	WAH, FC, PCR, SCR

Waterbody & Segment	Basin	8-Digit HUC	County	WAH/CAH	PCR	SCR	FC	DWS	OSRW	Assessment Date	Designated Uses
Running Slough 0.3 to 15.7	Mississippi River	08010202	FULTON	5-PS	3	3	3	3	3	7/5/2001	WAH, FC, PCR, SCR
Sand Creek 0 to 3.7	Mississippi River	08010202	GRAVES	2-FS	3	3	3	3	2-FS	12/12/2001	WAH, FC, PCR, SCR, OSRW
Shawnee Creek 0 to 3.2	Mississippi River	08010100	BALLARD	5-NS	5-PS	3	2-FS	3	3	1/28/2008	WAH, FC, PCR, SCR
Shawnee Creek 3.2 to 12.4	Mississippi River	08010100	BALLARD	5-PS	3	3	2-FS	3	3	3/9/2012	WAH, FC, PCR, SCR
Shawnee Creek Slough 0 to 3.7	Mississippi River	08010100	BALLARD	5-NS	2-FS	3	3	3	3	3/14/2007	WAH, FC, PCR, SCR
South Fork Bayou de Chien 0 to 2.0	Mississippi River	08010201	GRAVES	5-PS	3	3	3	3	5-PS	3/22/2006	WAH, FC, PCR, SCR, OSRW
South Fork Bayou de Chien 2.0 to 7.4	Mississippi River	08010201	GRAVES	5-NS	3	3	3	3	5-NS	7/5/2001	WAH, FC, PCR, SCR, OSRW
Stovall Creek 0 to 3.8	Mississippi River	08010201	BALLARD	2-FS	3	3	3	3	3	7/6/2000	WAH, FC, PCR, SCR
Sugar Creek 0.0 to 1.4	Mississippi River	08010201	BALLARD	5-PS	3	3	3	3	3	6/29/2000	WAH, FC, PCR, SCR
Swan Pond	Mississippi River	08010100	BALLARD	2-FS	3	2-FS	3	3	2-FS	1/6/2012	WAH, FC, PCR, SCR, OSRW
Terrapin Creek 2.8 to 6.9	Mississippi River	08010202	GRAVES	2-FS	5-PS	3	3	3	2-FS	3/22/2012	WAH, FC, PCR, SCR, OSRW
Truman Creek 2.0 to 3.2	Mississippi River	08010201	CARLISLE	5-PS	5-PS	3	3	3	3	5/2/2002	WAH, FC, PCR, SCR
Truman Creek 3.2 to 4.1	Mississippi River	08010201	CARLISLE	5-PS	3	3	3	3	3	3/22/2006	WAH, FC, PCR, SCR
UT of Brush Creek 0 to 1.9	Mississippi River	08010201	GRAVES	5-NS	3	3	3	3	3	3/22/2006	WAH, FC, PCR, SCR
UT of Mayfield Creek 0 to 1.0	Mississippi River	08010201	MCCRACKEN	5-NS	3	3	3	3	3	5/2/2002	WAH, FC, PCR, SCR
UT of Mayfield Creek 1.1 to 3.5	Mississippi River	08010201	GRAVES	5-NS	3	3	3	3	3	5/2/2002	WAH, FC, PCR, SCR
UT of Mud Creek 0 to 2.2	Mississippi River	08010201	FULTON	5-NS	3	3	3	3	3	3/22/2006	WAH, FC, PCR, SCR
UT of Obion Creek 0.9 to 7.7	Mississippi River	08010201	HICKMAN	5-PS	3	3	3	3	3	3/6/2012	WAH, FC, PCR, SCR
UT of Obion Creek 1.6 to 2.2	Mississippi River	08010201	HICKMAN	5-NS	3	3	3	3	3	5/2/2002	WAH, FC, PCR, SCR

Waterbody & Segment	Basin	8-Digit HUC	County	WAH/CAH	PCR	SCR	FC	DWS	OSRW	Assessment Date	Designated Uses
UT of UT of Little Bayou de Chien 0 to 0.85	Mississippi River	08010201	FULTON	5-NS	3	3	3	3	3	3/14/2012	WAH, FC, PCR, SCR
UT of Vulton Creek 0 to 2.45	Mississippi River	08010201	GRAVES	5-NS	3	3	3	3	3	3/14/2012	WAH, FC, PCR, SCR
UT of West Fork Mayfield Creek 0 to 3.0	Mississippi River	08010201	CARLISLE	5-PS	3	3	3	3	3	3/14/2012	WAH, FC, PCR, SCR
West Fork Mayfield Creek 5.3 to 15.5	Mississippi River	08010201	CARLISLE	2-FS	3	3	3	3	3	3/21/2006	WAH, FC, PCR, SCR
Whayne Branch 1.0 to 8.15	Mississippi River	08010201	HICKMAN	5-NS	3	3	3	3	3	3/14/2012	WAH, FC, PCR, SCR
Wilson Creek 0 to 2.15	Mississippi River	08010201	CARLISLE	5-NS	2-FS	3	3	3	3	3/22/2012	WAH, FC, PCR, SCR
Wilson Creek 2.15 to 8.0	Mississippi River	08010201	CARLISLE	2-FS	3	3	3	3	3	7/7/2000	WAH, FC, PCR, SCR
Allen Fork 2.1 to 4.6	Ohio River	05090203	BOONE	5-PS	3	3	3	3	3	4/11/2001	WAH, FC, PCR, SCR
Ashbys Fork 0 to 3.7	Ohio River	05090203	BOONE	2-FS	3	3	3	3	3	5/7/2009	WAH, FC, PCR, SCR
Bayou Creek 0 to 19.1	Ohio River	05140203	LIVINGSTON	5-NS	3	3	3	3	3	3/1/2003	WAH, FC, PCR, SCR
Bayou Creek 0.0 to 11.5	Ohio River	05140206	MCCRACKEN	5-PS	3	3	2-FS	3	3	2/24/2009	WAH, FC, PCR, SCR
Bear Run 1.6 to 1.9	Ohio River	05140201	BRECKINRIDGE	5-NS	3	3	3	3	3	3/1/2003	WAH, FC, PCR, SCR
Beargrass Creek 0.5 to 1.8	Ohio River	05140101	JEFFERSON	5-NS	3	3	3	3	3	3/3/2009	WAH, FC, PCR, SCR
Beech Fork 0.05 to 3.3	Ohio River	05140201	BRECKINRIDGE	2-FS	3	3	3	3	3	10/1/2007	WAH, FC, PCR, SCR
Bell Ditch 0 to 2.8	Ohio River	05140201	DAVIESS	5-NS	3	3	3	3	3	1/23/2008	WAH, FC, PCR, SCR
Big Bone Creek 1.2 to 10.7	Ohio River	05090203	BOONE	2-FS	3	3	3	3	3	3/3/2005	WAH, FC, PCR, SCR
Big South Fork 2.1 to 4.1	Ohio River	05090203	GALLATIN	5-PS	3	3	3	3	3	3/4/2009	WAH, FC, PCR, SCR
Big Spring	Ohio River	05140104	HARDIN	2-FS	3	3	3	3	3	10/12/2009	WAH, FC, PCR, SCR
Big Sugar Creek 0.7 to 2.0	Ohio River	05090203	GALLATIN	5-PS	3	3	3	3	3	3/3/2005	WAH, FC, PCR, SCR

Waterbody & Segment	Basin	8-Digit HUC	County	WAH/CAH	PCR	SCR	FC	DWS	OSRW	Assessment Date	Designated Uses
Blackford Creek 0 to 3.8	Ohio River	05140201	DAVISS	5-NS	5-PS	3	3	3	3	9/13/2013	WAH, FC, PCR, SCR
Blackford Creek 10.15 to 18.1	Ohio River	05140201	HANCOCK	5-NS	3	3	3	3	3	5/30/2013	WAH, FC, PCR, SCR
Blackford Creek 3.8 to 8.1	Ohio River	05140201	DAVISS	5-PS	3	3	3	3	3	6/11/2013	WAH, FC, PCR, SCR
Blackford Creek 8.1 to 10.15	Ohio River	05140201	HANCOCK	2-FS	3	3	3	3	3	1/23/2008	WAH, FC, PCR, SCR
Boiling Spring 0 to 0.1	Ohio River	05140104	BRECKINRIDGE	2-FS	3	3	3	3	3	10/12/2009	WAH, FC, PCR, SCR
Bracken Creek 2.6 to 10.8	Ohio River	05090201	BRACKEN	5-PS	3	3	3	3	3	10/25/2005	WAH, FC, PCR, SCR
Briery Branch 0 to 2.1	Ohio River	05090201	LEWIS	5-PS	3	3	3	3	3	10/24/2005	WAH, FC, PCR, SCR
Brush Creek 0 to 2.35	Ohio River	05090201	CAMPBELL	2-FS	5-NS	3	3	3	3	3/16/2011	WAH, FC, PCR, SCR
Brushy Fork 0 to 4.5	Ohio River	05140203	CRITTENDEN	2-FS	5-NS	3	3	3	3	6/11/2013	WAH, FC, PCR, SCR
Buck Creek 0.0 to 7.6	Ohio River	05140203	LIVINGSTON	2-FS	3	3	3	3	3	3/1/2003	WAH, FC, PCR, SCR
Butchers Branch 0 to 0.3	Ohio River	05140201	HANCOCK	2-FS	2-FS	2-FS	3	3	3	6/3/2005	WAH, FC, PCR, SCR
Butchers Branch 0.3 to 2.4	Ohio River	05140201	HANCOCK	4A-NS	4A-NS	4A-NS	3	3	3	2/14/2006	WAH, FC, PCR, SCR
Butler Creek 0 to 4.1	Ohio River	05140203	CRITTENDEN	3	5-NS	3	3	3	3	6/13/2013	WAH, FC, PCR, SCR
Cabin Creek 3.6 to 11.3	Ohio River	05090201	LEWIS	5-NS	3	3	3	3	3	2/5/2001	WAH, FC, PCR, SCR
Camp Creek 0.35 to 4.95	Ohio River	05140203	CRITTENDEN	2-FS	3	3	3	3	3	6/13/2013	WAH, FC, PCR, SCR
Canoe Creek 0 to 4.05	Ohio River	05140202	HENDERSON	5-NS	5-NS	5-NS	3	3	3	6/14/2013	WAH, FC, PCR, SCR
Canoe Creek 14.4 to 23.8	Ohio River	05140202	HENDERSON	5-PS	5-NS	3	3	3	3	6/14/2013	WAH, FC, PCR, SCR
Canoe Creek 4.05 to 14.4	Ohio River	05140202	HENDERSON	5-NS	5-NS	3	3	3	3	6/14/2013	WAH, FC, PCR, SCR
Cap Mauzy Lake	Ohio River	05140202	UNION	2-FS	3	2-FS	3	3	3	11/14/2006	WAH, FC, PCR, SCR

Waterbody & Segment	Basin	8-Digit HUC	County	WAH/CAH	PCR	SCR	FC	DWS	OSRW	Assessment Date	Designated Uses
Carpenter Lake	Ohio River	05140201	DAVISS	5-PS	5-NS	5-NS	3	3	3	4/11/2014 - 5/16/2014	WAH, FC, PCR, SCR
Casey Creek 0 to 4.5	Ohio River	05140202	UNION	5-NS	3	3	3	3	3	9/20/2013	WAH, FC, PCR, SCR
City Lake	Ohio River	05140203	CRITTENDEN	2-FS	3	2-FS	3	2-FS	3	4/15/2014	WAH, FC, PCR, SCR, DWS
Clanton Creek 0 to 4.9	Ohio River	05140206	BALLARD	5-NS	3	3	3	3	3	7/6/2000	WAH, FC, PCR, SCR
Clary Branch 0 to 1.9	Ohio River	05090201	LEWIS	5-PS	3	3	3	3	3	4/28/2004	WAH, FC, PCR, SCR
Clover Creek 7.4 to 10.3	Ohio River	05140201	BRECKINRIDGE	5-PS	3	3	3	3	3	11/12/2002	WAH, FC, PCR, SCR
Coefield Creek 0 to 8.9	Ohio River	05140203	CRITTENDEN	2-FS	3	3	3	3	3	9/24/2013	WAH, FC, PCR, SCR
Corn Creek 0 to 4.1	Ohio River	05140101	TRIMBLE	2-FS	3	3	3	3	3	8/2/2000	WAH, FC, PCR, SCR
Craigs Creek 3.0 to 6.5	Ohio River	05090203	GALLATIN	3	3	3	3	3	3		WAH, FC, PCR, SCR
Crawford Lake	Ohio River	05140206	MCCRACKEN	3	3	3	2-FS	3	3	2/20/2009	WAH, FC, PCR, SCR
Crooked Creek 0 to 12.1	Ohio River	05140203	CRITTENDEN	5-PS	5-NS	3	3	3	3	1/28/2014	WAH, FC, PCR, SCR
Crooked Creek 0 to 5.6	Ohio River	05090201	LEWIS	2-FS	3	3	3	3	3	8/2/2000	WAH, FC, PCR, SCR
Crooked Creek 12.1 to 26.4	Ohio River	05140203	CRITTENDEN	5-PS	5-NS	3	3	3	5-PS	1/28/2014	WAH, FC, PCR, SCR, OSRW
Deer Creek 0 to 8.1	Ohio River	05140203	LIVINGSTON	5-NS	3	3	3	3	3	3/1/2003	WAH, FC, PCR, SCR
Dennis O'Nan Ditch 0.2 to 5.2	Ohio River	05140203	UNION	2-FS	5-NS	2-FS	3	3	3	9/30/2013	WAH, FC, PCR, SCR
Doe Run 4.7 to 8.3	Ohio River	05140104	MEADE	2-FS	5-NS	3	3	3	3	3/6/2001	CAH, FC, PCR, SCR
Doe Valley Lake	Ohio River	05140104	MEADE	3	3	3	3	2-FS	3	11/15/2005	WAH, FC, PCR, SCR, DWS
Dorrige Creek 0 to 3.45	Ohio River	05140104	BRECKINRIDGE	2-FS	3	3	3	3	3	11/1/2009	WAH, FC, PCR, SCR
Double Lick Creek 0 to 3.5	Ohio River	05090203	BOONE	2-FS	3	3	3	3	2-FS	3/7/2005	WAH, FC, PCR, SCR, OSRW

Waterbody & Segment	Basin	8-Digit HUC	County	WAH/CAH	PCR	SCR	FC	DWS	OSRW	Assessment Date	Designated Uses
Dry Creek 0.2 to 7.0	Ohio River	05090203	BOONE	5-PS	3	3	3	3	3	8/3/2000	WAH, FC, PCR, SCR
Dry Creek 1.1 to 3.2	Ohio River	05090203	GALLATIN	5-PS	3	3	3	3	3	8/3/2000	WAH, FC, PCR, SCR
Dry Fork 0 to 0.45	Ohio River	05140203	CRITTENDEN	5-PS	3	3	3	3	3	10/2/2013	WAH, FC, PCR, SCR
Dyer Hill Creek 0.4 to 6.0	Ohio River	05140203	LIVINGSTON	5-PS	3	3	3	3	3	1/23/2008	WAH, FC, PCR, SCR
East Fork Cabin Creek 0 to 4.7	Ohio River	05090201	LEWIS	2-FS	3	3	3	3	3	10/27/2005	WAH, FC, PCR, SCR
East Fork of Canoe Creek 0 to 7.85	Ohio River	05140202	HENDERSON	5-NS	5-NS	3	3	3	3	10/2/2013	WAH, FC, PCR, SCR
Elam Ditch 0 to 7.3	Ohio River	05140202	HENDERSON	5-NS	5-NS	3	3	3	3	10/4/2013	WAH, FC, PCR, SCR
Elijahs Creek 0 to 5.2	Ohio River	05090203	BOONE	4A-NS	3	3	3	3	3	4/11/2001	WAH, FC, PCR, SCR
Fourmile Creek 0.2 to 8.5	Ohio River	05090201	CAMPBELL	2-FS	5-NS	3	3	3	3	8/3/2000	WAH, FC, PCR, SCR
Fourmile Creek 8.5 to 9.4	Ohio River	05090201	CAMPBELL	2-FS	3	3	3	3	3	4/10/2001	WAH, FC, PCR, SCR
Garrison Creek 0.3 to 4.7	Ohio River	05090203	BOONE	2-FS	3	3	3	3	2-FS	3/17/2011	WAH, FC, PCR, SCR, OSRW
Goose Creek 0 to 1.9	Ohio River	05090201	BRACKEN	5-PS	3	3	3	3	3	8/3/2000	WAH, FC, PCR, SCR
Goose Creek 0.3 to 3.6	Ohio River	05140101	JEFFERSON	5-PS	5-NS	3	3	3	3	3/3/2009	WAH, FC, PCR, SCR
Goose Creek 3.6 to 13.0	Ohio River	05140101	JEFFERSON	5-PS	5-NS	3	3	3	3	3/3/2009	WAH, FC, PCR, SCR
Goose Pond Ditch 0 to 9.55	Ohio River	05140203	UNION	5-NS	3	3	3	3	3	3/1/2003	WAH, FC, PCR, SCR
Grassy Fork 0 to 4.3	Ohio River	05090201	LEWIS	4C-PS	3	3	3	3	3	3/17/2011	WAH, FC, PCR, SCR
Gunpowder Creek 0 to 15.3	Ohio River	05090203	BOONE	5-NS	3	3	3	3	3	1/8/2001	WAH, FC, PCR, SCR
Gunpowder Creek 15.4 to 17.1	Ohio River	05090203	BOONE	4A-NS	3	3	3	3	3	8/3/1999	WAH, FC, PCR, SCR
Gunpowder Creek 19.3 to 21.8	Ohio River	05090203	BOONE	5-PS	3	3	3	3	3	5/2/2002	WAH, FC, PCR, SCR

Waterbody & Segment	Basin	8-Digit HUC	County	WAH/CAH	PCR	SCR	FC	DWS	OSRW	Assessment Date	Designated Uses
Hardy Creek 1.6 to 5.6	Ohio River	05140101	TRIMBLE	5-PS	3	3	3	3	3	3/22/2005	WAH, FC, PCR, SCR
Harrods Creek 0 to 3.4	Ohio River	05140101	OLDHAM	4A-NS	5-PS	2-FS	3	3	3	12/1/2005	WAH, FC, PCR, SCR
Harrods Creek 3.4 to 33.3	Ohio River	05140101	OLDHAM	2-FS	2-FS	2-FS	3	3	3	3/17/2011	WAH, FC, PCR, SCR
Highland Creek 0 to 7.6	Ohio River	05140202	UNION	5-PS	5-NS	3	3	3	3	4/1/1998	WAH, FC, PCR, SCR
Highland Creek 7.6 to 21.1	Ohio River	05140102	HENDERSON	5-NS	5-NS	5-NS	3	3	3	10/10/2013	WAH, FC, PCR, SCR
Hite Creek 0 to 5.8	Ohio River	05140101	OLDHAM	5-NS	3	3	3	3	3	4/9/2001	WAH, FC, PCR, SCR
Hood Creek 0.15 to 0.9	Ohio River	05090103	BOYD	5-NS	5-NS	3	3	3	3	1/19/2009	WAH, FC, PCR, SCR
Hood Creek 0.9 to 5.4	Ohio River	05090103	BOYD	2-FS	5-NS	3	3	3	3	1/19/2009	WAH, CAH, FC, PCR, SCR
Humphrey Creek 0 to 3.4	Ohio River	05140206	BALLARD	5-PS	2-FS	3	3	3	3	5/2/2002	WAH, FC, PCR, SCR
Humphrey Creek 11.2 to 12.7	Ohio River	05140206	BALLARD	5-PS	5-PS	3	3	3	3	5/2/2002	WAH, FC, PCR, SCR
Humphrey Creek 3.4 to 11.2	Ohio River	05140206	BALLARD	2-FS	5-PS	3	3	3	3	5/2/2002	WAH, FC, PCR, SCR
Hurricane Fork 0 to 2.2	Ohio River	05090103	BOYD	5-NS	3	3	3	3	3	1/20/2009	WAH, CAH, FC, PCR, SCR
Indian Creek 0 to 8.9	Ohio River	05090201	LEWIS	2-FS	3	3	3	3	3	1/10/2001	WAH, FC, PCR, SCR
Kingfisher Lakes	Ohio River	05140201	DAVISS	5-PS	5-PS	5-PS	3	3	3	4/15/2014	WAH, FC, PCR, SCR
Kinniconick Creek 0.8 to 50.95	Ohio River	05090201	LEWIS	2-FS	2-FS	2-FS	3	3	2-FS	3/17/2011 - 3/18/2011	WAH, FC, PCR, SCR, OSRW
Lake Jericho	Ohio River	05140101	HENRY	5-NS	3	2-FS	3	3	3	8/26/2005	WAH, FC, PCR, SCR
Laurel Fork 5.8 to 15.9	Ohio River	05090201	LEWIS	5-PS	3	3	3	3	3	11/3/2005	WAH, FC, PCR, SCR
Lawrence Creek 2.3 to 4.0	Ohio River	05090201	MASON	2-FS	3	3	3	3	3	11/3/2005	WAH, FC, PCR, SCR
Lead Creek 0 to 0.8	Ohio River	05140201	HANCOCK	2-FS	2-FS	3	3	3	3	4/1/1998	WAH, FC, PCR, SCR

Waterbody & Segment	Basin	8-Digit HUC	County	WAH/CAH	PCR	SCR	FC	DWS	OSRW	Assessment Date	Designated Uses
Lead Creek 3.5 to 4.5	Ohio River	05140201	HANCOCK	5-NS	5-NS	3	3	3	3	4/1/1998	WAH, FC, PCR, SCR
Lee Creek 0 to 2.0	Ohio River	05090201	MASON	3	3	3	3	3	3		WAH, FC, PCR, SCR
Lick Run Creek 0 to 3.3	Ohio River	05140104	BRECKINRIDGE	5-PS	3	3	3	3	3	3/4/2009	WAH, FC, PCR, SCR
Little Bayou Creek 0 to 7.2	Ohio River	05140206	MCCRACKEN	4A-NS	3	3	5-NS	3	3	2/24/2009	WAH, FC, PCR, SCR
Little Kentucky River 21.5 to 27.7	Ohio River	05140101	HENRY	5-PS	3	3	3	3	3	2/24/2009	WAH, FC, PCR, SCR
Little Sandy River 12.1 to 20.0	Ohio River	05090104	GREENUP	5-PS	2-FS	3	2-FS	3	3	11/12/2008 - 1/21/2009	WAH, FC, PCR, SCR
Little South Fork 1.2 to 5.9	Ohio River	05090203	BOONE	2-FS	3	3	3	3	2-FS	4/24/2004	WAH, FC, PCR, SCR, OSRW
Locust Creek 0 to 4.3	Ohio River	05090201	BRACKEN	2-FS	5-NS	3	3	3	3	8/8/2000	WAH, FC, PCR, SCR
Locust Creek 4.3 to 12.6	Ohio River	05090201	BRACKEN	5-NS	3	3	3	3	3	8/8/2000	WAH, FC, PCR, SCR
Massac Creek 3.9 to 4.4	Ohio River	05140206	MCCRACKEN	5-PS	3	3	3	3	3	5/2/2002	WAH, FC, PCR, SCR
Massac Creek 4.4 to 7.6	Ohio River	05140206	MCCRACKEN	2-FS	3	3	3	3	3	5/2/2002	WAH, FC, PCR, SCR
McCools Creek 0 to 6.7	Ohio River	05090203	CARROLL	3	3	3	3	3	3		WAH, FC, PCR, SCR
McCoys Fork 0 to 2.2	Ohio River	05090203	BOONE	5-PS	3	3	3	3	3	3/22/2011	WAH, FC, PCR, SCR
Meade Run 0 to 1.1	Ohio River	05090103	GREENUP	3	3	3	3	2-FS	3	1/14/2009	WAH, FC, PCR, SCR, DWS
Mellins Branch 0 to 1.5	Ohio River	05140101	CARROLL	5-PS	3	3	3	3	3	3/10/2005	WAH, FC, PCR, SCR
Metropolis Lake	Ohio River	05140206	MCCRACKEN	5-PS	3	2-FS	2-FS	3	5-PS	1/1/2000 - 3/6/2006	WAH, FC, PCR, SCR, OSRW
Middle Creek 0 to 7.7	Ohio River	05090203	BOONE	5-PS	3	3	3	3	3	3/6/2009	WAH, FC, PCR, SCR
Middle Fork Beargrass Creek 0 to 2.0	Ohio River	05140101	JEFFERSON	5-NS	4A-NS	3	3	3	3	3/13/2001	WAH, FC, PCR, SCR
Middle Fork Beargrass Creek 2.0 to 2.9	Ohio River	05140101	JEFFERSON	2-FS	4A-NS	3	3	3	3	3/3/2009	WAH, FC, PCR, SCR

Waterbody & Segment	Basin	8-Digit HUC	County	WAH/CAH	PCR	SCR	FC	DWS	OSRW	Assessment Date	Designated Uses
Middle Fork Beargrass Creek 2.9 to 15.3	Ohio River	05140101	JEFFERSON	2-FS	4A-NS	3	3	3	3	3/3/2001 - 3/3/2009	WAH, FC, PCR, SCR
Middle Fork Massac Creek 0 to 6.4	Ohio River	05140206	MCCRACKEN	5-PS	3	3	3	3	5-PS	3/21/2007	WAH, FC, PCR, SCR, OSRW
Mill Creek 0.0 to 9.9	Ohio River	05140101	JEFFERSON	5-NS	5-NS	3	3	3	3	3/13/2001	WAH, FC, PCR, SCR
Mill Creek Cutoff 0 to 2.4	Ohio River	05140101	JEFFERSON	2-FS	5-NS	3	3	3	3	3/12/2001	WAH, FC, PCR, SCR
Mitchell Lake	Ohio River	05140206	BALLARD	3	3	3	3	3	3		WAH, FC, PCR, SCR
Montgomery Creek 0 to 6.5	Ohio River	05090201	LEWIS	5-PS	3	3	3	3	3	3/11/2005	WAH, FC, PCR, SCR
Mud Lick Creek 0.2 to 6.1	Ohio River	05090203	BOONE	2-FS	3	3	3	3	3	3/11/2009	WAH, FC, PCR, SCR
Mud Lick Creek 6.2 to 11.7	Ohio River	05090203	BOONE	3	3	3	3	3	3		WAH, FC, PCR, SCR
Muddy Fork 0 to 7.2	Ohio River	05140101	JEFFERSON	2-FS	4A-NS	3	3	3	3	3/12/2001	WAH, FC, PCR, SCR
Newberry Branch 0 to 2.8	Ohio River	05090103	GREENUP	5-NS	3	3	3	3	3	11/11/2003	WAH, FC, PCR, SCR
Newtons Creek 0 to 7.85	Ohio River	05140206	MCCRACKEN	5-PS	3	3	3	3	3	3/12/2007	WAH, FC, PCR, SCR
North Fork Canoe Creek 0 to 8.0	Ohio River	05140202	HENDERSON	2-FS	5-NS	3	3	3	3	10/15/2013	WAH, FC, PCR, SCR
Ohio River 319.4 to 317.2	Ohio River	05090103	GREENUP	2-FS	5-NS	3	5-PS	3	3	9/18/2014	WAH, FC, PCR, SCR, DWS
Ohio River 341.0 to 319.4	Ohio River	05090103	GREENUP	2-FS	5-PS	3	5-PS	2-FS	3	9/20/2014	WAH, FC, PCR, SCR, DWS
Ohio River 356.6 to 341.0	Ohio River	05090201	BRACKEN	2-FS	2-FS	3	5-PS	3	3	7/24/2014 - 9/19/2014	WAH, FC, PCR, SCR, DWS
Ohio River 377.7 to 356.6	Ohio River	05090201	BRACKEN	2-FS	5-PS	3	5-PS	3	3	9/19/2014	WAH, FC, PCR, SCR, DWS
Ohio River 382.2 to 377.7	Ohio River	05090201	BRACKEN	2-FS	2-FS	3	5-PS	3	3	9/19/2014	WAH, FC, PCR, SCR, DWS
Ohio River 388.0 to 382.2	Ohio River	05090201	BRACKEN	2-FS	5-PS	3	5-PS	2-FS	3	9/19/2014	WAH, FC, PCR, SCR, DWS
Ohio River 437.2 to 388.0	Ohio River	05090201	BRACKEN	2-FS	2-FS	3	5-PS	2-FS	3	9/19/2014	WAH, FC, PCR, SCR, DWS

Waterbody & Segment	Basin	8-Digit HUC	County	WAH/CAH	PCR	SCR	FC	DWS	OSRW	Assessment Date	Designated Uses
Ohio River 461.3 to 437.2	Ohio River	05090203	KENTON	2-FS	2-FS	3	5-PS	3	3	9/19/2014	WAH, FC, PCR, SCR, DWS
Ohio River 463.8 to 461.3	Ohio River	05090203	KENTON	2-FS	5-PS	3	5-PS	2-FS	3	9/22/2014	WAH, FC, PCR, SCR, DWS
Ohio River 469.3 to 463.8	Ohio River	05090203	KENTON	2-FS	2-FS	3	5-PS	3	3	9/22/2014	WAH, FC, PCR, SCR, DWS
Ohio River 471.4 to 469.3	Ohio River	05090203	KENTON	2-FS	5-NS	3	5-PS	3	3	9/22/2014	WAH, FC, PCR, SCR, DWS
Ohio River 475.1 to 471.4	Ohio River	05090203	KENTON	2-FS	5-PS	3	5-PS	3	3	9/22/2014	WAH, FC, PCR, SCR, DWS
Ohio River 477.5 to 475.1	Ohio River	05090203	KENTON	2-FS	5-NS	3	5-PS	3	3	9/22/2014	WAH, FC, PCR, SCR, DWS
Ohio River 488.2 to 477.5	Ohio River	05090203	GALLATIN	2-FS	5-PS	3	5-PS	3	3	9/22/2014	WAH, FC, PCR, SCR, DWS
Ohio River 531.5 to 488.2	Ohio River	05090203	GALLATIN	2-FS	2-FS	3	5-PS	3	3	9/22/2014	WAH, FC, PCR, SCR, DWS
Ohio River 593.4 to 531.5	Ohio River	05090203	CARROLL	2-FS	2-FS	3	5-PS	3	3	9/22/2014	WAH, FC, PCR, SCR, DWS
Ohio River 595.8 to 593.4	Ohio River	05140101	JEFFERSON	2-FS	5-PS	3	5-PS	3	3	9/22/2014	WAH, FC, PCR, SCR, DWS
Ohio River 603.1 to 593.4	Ohio River	05140101	JEFFERSON	2-FS	2-FS	3	5-PS	2-FS	3	9/22/2014	WAH, FC, PCR, SCR, DWS
Ohio River 605.8 to 603.1	Ohio River	05140101	JEFFERSON	2-FS	5-PS	3	5-PS	3	3	9/22/2014	WAH, FC, PCR, SCR, DWS
Ohio River 608.6 to 605.8	Ohio River	05140101	JEFFERSON	5-PS	5-PS	3	5-PS	3	3	9/22/2014	WAH, FC, PCR, SCR, DWS
Ohio River 614.0 to 608.6	Ohio River	05140101	JEFFERSON	5-PS	5-NS	3	5-PS	3	3	9/22/2014	WAH, FC, PCR, SCR, DWS
Ohio River 676.8 to 614.0	Ohio River	05140101	JEFFERSON	5-PS	5-NS	3	5-PS	3	3	9/23/2014	WAH, FC, PCR, SCR, DWS
Ohio River 720.8 to 676.8	Ohio River	05140201	HANCOCK	2-FS	5-PS	3	5-PS	3	3	9/23/2014	WAH, FC, PCR, SCR, DWS
Ohio River 736.7 to 720.8	Ohio River	05140201	HENDERSON	2-FS	5-PS	3	5-PS	3	3	9/23/2014	WAH, FC, PCR, SCR, DWS
Ohio River 756.3 to 736.7	Ohio River	05140201	HENDERSON	2-FS	5-PS	3	5-PS	3	3	9/23/2014	WAH, FC, PCR, SCR, DWS
Ohio River 760.6 to 756.3	Ohio River	05140201	HENDERSON	2-FS	5-NS	3	5-PS	3	3	7/29/2014 - 9/23/2014	WAH, FC, PCR, SCR, DWS

Waterbody & Segment	Basin	8-Digit HUC	County	WAH/CAH	PCR	SCR	FC	DWS	OSRW	Assessment Date	Designated Uses
Ohio River 776.0 to 760.6	Ohio River	05140201	HENDERSON	2-FS	5-PS	3	5-PS	3	3	9/23/2014	WAH, FC, PCR, SCR, DWS
Ohio River 789.3 to 776.0	Ohio River	05140202	UNION	5-PS	5-PS	3	5-PS	3	3	9/23/2014	WAH, FC, PCR, SCR, DWS
Ohio River 792.1 to 789.3	Ohio River	05140202	UNION	5-PS	2-FS	3	5-PS	3	3	9/23/2014	WAH, FC, PCR, SCR, DWS
Ohio River 793.2 to 792.1	Ohio River	05140202	UNION	5-PS	5-PS	3	5-PS	3	3	9/23/2014	WAH, FC, PCR, SCR, DWS
Ohio River 795.7 to 793.2	Ohio River	05140202	UNION	5-PS	5-NS	3	5-PS	3	3	9/23/2014	WAH, FC, PCR, SCR, DWS
Ohio River 799.8 to 795.7	Ohio River	05140202	UNION	5-PS	5-PS	3	5-PS	3	3	9/23/2014	WAH, FC, PCR, SCR, DWS
Ohio River 802.9 to 799.8	Ohio River	05140202	UNION	5-PS	5-NS	3	5-PS	2-FS	3	9/24/2014	WAH, FC, PCR, SCR, DWS
Ohio River 820.1 to 802.9	Ohio River	05140202	UNION	5-PS	5-PS	3	5-PS	3	3	9/24/2014	WAH, FC, PCR, SCR, DWS
Ohio River 826.4 to 820.1	Ohio River	05140202	UNION	5-PS	5-NS	3	5-PS	3	3	9/24/2014	WAH, FC, PCR, SCR, DWS
Ohio River 845.95 to 826.4	Ohio River	05140202	UNION	5-PS	5-PS	3	5-PS	2-FS	3	9/24/2014	WAH, FC, PCR, SCR, DWS
Ohio River 847.3 to 845.95	Ohio River	05140203	UNION	5-PS	5-PS	3	5-PS	3	3	9/23/2014	WAH, FC, PCR, SCR, DWS
Ohio River 853.4 to 847.3	Ohio River	05140203	LIVINGSTON	5-PS	2-FS	3	5-PS	3	3	9/23/2014	WAH, FC, PCR, SCR, DWS
Ohio River 857.6 to 853.4	Ohio River	05140203	LIVINGSTON	5-PS	5-PS	3	5-PS	3	3	9/25/2014	WAH, FC, PCR, SCR, DWS
Ohio River 862.1 to 857.6	Ohio River	05140203	LIVINGSTON	5-PS	2-FS	3	5-PS	3	3	9/26/2014	WAH, FC, PCR, SCR, DWS
Ohio River 872.8 to 862.1	Ohio River	05140203	LIVINGSTON	5-PS	5-PS	3	5-PS	2-FS	3	9/26/2014	WAH, FC, PCR, SCR, DWS
Ohio River 878.2 to 872.8	Ohio River	05140203	LIVINGSTON	5-PS	5-PS	3	5-PS	3	3	9/26/2014	WAH, FC, PCR, SCR, DWS
Ohio River 882.9 to 878.2	Ohio River	05140203	LIVINGSTON	5-PS	5-PS	3	5-PS	3	3	9/26/2014	WAH, FC, PCR, SCR, DWS
Ohio River 894.6 to 882.9	Ohio River	05140203	LIVINGSTON	5-PS	2-FS	3	5-PS	3	3	9/26/2014	WAH, FC, PCR, SCR, DWS
Ohio River 910.3 to 894.6	Ohio River	05140203	LIVINGSTON	5-PS	5-PS	3	5-PS	3	3	9/26/2014	WAH, FC, PCR, SCR, DWS

Waterbody & Segment	Basin	8-Digit HUC	County	WAH/CAH	PCR	SCR	FC	DWS	OSRW	Assessment Date	Designated Uses
Ohio River 920.5 to 910.3	Ohio River	05140203	LIVINGSTON	5-PS	5-PS	3	5-PS	3	3	9/26/2014	WAH, FC, PCR, SCR, DWS
Ohio River 925.8 to 920.5	Ohio River	05140206	MCCRACKEN	5-PS	5-PS	3	5-PS	3	3	9/26/2014	WAH, FC, PCR, SCR, DWS
Ohio River 938.9 to 925.8	Ohio River	05140206	MCCRACKEN	5-PS	2-FS	3	5-PS	2-FS	3	9/26/2014	WAH, FC, PCR, SCR, DWS
Ohio River 981.3 to 938.9	Ohio River	05140206	MCCRACKEN	2-FS	2-FS	3	5-PS	2-FS	3	10/3/2014	WAH, FC, PCR, SCR, DWS
Old Alexandria Reservoir	Ohio River	05090201	CAMPBELL	3	3	3	5-PS	3	3	1/31/2008	WAH, FC, PCR, SCR
Otter Creek 0 to 10.7	Ohio River	05140104	MEADE	2-FS	5-PS	3	3	3	3	3/13/2001	CAH, FC, PCR, SCR
Pawley Creek 0 to 1.0	Ohio River	05140104	HARDIN	2-FS	3	3	3	3	3	2/24/2011	WAH, FC, PCR, SCR
Pleasant Run Creek 0.1 to 3.3	Ohio River	05090203	KENTON	2-FS	3	3	3	3	3	7/9/2004	WAH, FC, PCR, SCR
Pond Creek 0 to 1.5	Ohio River	05140101	OLDHAM	5-PS	3	3	3	3	3	5/2/2002	WAH, FC, PCR, SCR
Pryors Fork 0 to 5.4	Ohio River	05140101	TRIMBLE	2-FS	3	3	3	3	3	10/11/2010	WAH, FC, PCR, SCR
Pup Creek 2.1 to 6.95	Ohio River	05140201	DAVIESS	2-FS	3	3	3	3	3	1/24/2008	WAH, FC, PCR, SCR
Reformatory Lake	Ohio River	05140101	OLDHAM	2-FS	3	3	2-FS	3	3	3/29/2011	WAH, FC, PCR, SCR
Rock Run 0 to 5.5	Ohio River	05090201	LEWIS	2-FS	3	3	3	3	3	9/18/2007	WAH, FC, PCR, SCR
Rockhouse Fork 0 to 2.1	Ohio River	05090103	GREENUP	5-PS	3	3	3	3	3	2/13/2009	WAH, FC, PCR, SCR
Rush Creek 0 to 1.3	Ohio River	05140203	CRITTENDEN	5-PS	3	3	3	3	3	11/12/2002	WAH, FC, PCR, SCR
Sadler Creek 0 to 2.4	Ohio River	05140203	LIVINGSTON	5-PS	3	3	3	3	3	1/24/2008	WAH, FC, PCR, SCR
Salt Lick Creek 0.2 to 7.2	Ohio River	05090201	LEWIS	5-PS	3	3	3	3	3	6/24/2004	WAH, FC, PCR, SCR
Scenic Lake	Ohio River	05140202	HENDERSON	5-PS	3	3	3	3	3	1/1/1992	WAH, FC, PCR, SCR
Second Creek 0.3 to 2.7	Ohio River	05090203	BOONE	2-FS	3	3	3	3	2-FS	11/8/2005	WAH, FC, PCR, SCR, OSRW

Waterbody & Segment	Basin	8-Digit HUC	County	WAH/CAH	PCR	SCR	FC	DWS	OSRW	Assessment Date	Designated Uses
Sellers Ditch 0 to 1.3	Ohio River	05140202	HENDERSON	2-FS	5-NS	3	3	3	3	12/3/2013	WAH, FC, PCR, SCR
Sinking Creek 15.4 to 39.75	Ohio River	05140104	BRECKINRIDGE	2-FS	5-PS	3	3	3	3	3/22/2011	CAH, FC, PCR, SCR
Sinking Creek 5.9 to 8.7	Ohio River	05140104	BRECKINRIDGE	3	3	3	3	3	3		CAH, FC, PCR, SCR
Sinking Creek 8.7 to 15.4	Ohio River	05140104	BRECKINRIDGE	5-PS	5-NS	3	3	3	3	3/22/2011	CAH, FC, PCR, SCR
Slash Branch 0 to 0.6	Ohio River	05090103	GREENUP	5-NS	5-NS	5-NS	3	3	3	1/14/2009	WAH, CAH, FC, PCR, SCR
Snag Creek 1.1 to 6.4	Ohio River	05090201	BRACKEN	3	5-NS	3	3	3	3	8/14/2000	WAH, FC, PCR, SCR
South Fork Beargrass Creek 0 to 2.7	Ohio River	05140101	JEFFERSON	5-PS	4A-NS	3	3	3	3	3/3/2009	WAH, FC, PCR, SCR
South Fork Beargrass Creek 2.7 to 13.6	Ohio River	05140101	JEFFERSON	5-NS	4A-NS	3	3	3	3	3/15/2001	WAH, FC, PCR, SCR
South Fork Gunpowder Creek 0 to 2.0	Ohio River	05090203	BOONE	5-NS	3	3	3	3	3	4/10/2001	WAH, FC, PCR, SCR
South Fork Gunpowder Creek 4.1 to 6.8	Ohio River	05090203	BOONE	3	5-NS	3	3	3	3	3/3/2001	WAH, FC, PCR, SCR
Stephens Creek 0 to 1.8	Ohio River	05090203	GALLATIN	2-FS	3	3	3	3	3	8/10/2000	WAH, FC, PCR, SCR
Straight Fork 0 to 1.9	Ohio River	05090201	LEWIS	2-FS	3	3	3	3	3	4/11/2001	WAH, FC, PCR, SCR
Sugg Creek 0 to 1.4	Ohio River	05140203	UNION	5-NS	3	3	3	3	3	3/1/2003	WAH, FC, PCR, SCR
Tenmile Creek 0.05 to 1.15	Ohio River	05090201	CAMPBELL	5-PS	3	3	3	3	3	3/16/2005	WAH, FC, PCR, SCR
Tioga Creek 0 to 2.5	Ohio River	05140104	HARDIN	5-PS	3	3	3	3	3	10/14/2005	WAH, FC, PCR, SCR
Trace Creek 0.2 to 4.6	Ohio River	05090201	LEWIS	5-PS	3	3	3	3	3	11/14/2005	WAH, FC, PCR, SCR
Turner Lake	Ohio River	05140206	BALLARD	2-FS	3	2-FS	3	3	3	1/6/2012	WAH, FC, PCR, SCR
Twelve Mile Creek 3.5 to 9.0	Ohio River	05090201	CAMPBELL	2-FS	3	3	3	3	3	8/11/2000	WAH, FC, PCR, SCR
Twelvemile Creek 10.15 to 13.0	Ohio River	05090201	CAMPBELL	2-FS	3	3	3	3	3	11/14/2005	WAH, FC, PCR, SCR

Waterbody & Segment	Basin	8-Digit HUC	County	WAH/CAH	PCR	SCR	FC	DWS	OSRW	Assessment Date	Designated Uses
UT of Big Sugar Creek 1.0 to 1.8	Ohio River	05090203	GALLATIN	2-FS	3	3	3	3	2-FS	3/4/2005	WAH, FC, PCR, SCR, OSRW
UT of Canoe Creek 0.49 to 0.99	Ohio River	05140202	HENDERSON	2-FS	5-NS	3	3	3	3	12/6/2013	WAH, FC, PCR, SCR
UT of Chinns Branch 0 to 1.1	Ohio River	05090103	GREENUP	5-NS	3	3	3	3	3	11/10/2003	WAH, FC, PCR, SCR
UT of Corn Creek 0 to 2.0	Ohio River	05140101	TRIMBLE	2-FS	3	3	3	3	2-FS	10/10/2005	WAH, FC, PCR, SCR, OSRW
UT of Crooked Creek 0 to 1.4	Ohio River	05140203	CRITTENDEN	3	5-NS	3	3	3	3	1/29/2014	WAH, FC, PCR, SCR
UT of Eagle Creek 0 to 1.6	Ohio River	05140203	UNION	5-NS	5-NS	3	3	3	3	1/24/2008	WAH, FC, PCR, SCR
UT of Elam Ditch 0 to 0.82	Ohio River	05140202	HENDERSON	2-FS	5-NS	3	3	3	3	12/6/2013	WAH, FC, PCR, SCR
UT of Goose Pond Ditch 0 to 1.65	Ohio River	05140203	UNION	5-NS	3	3	3	3	3	3/1/2003	WAH, FC, PCR, SCR
UT of Humphrey Branch 0 to 1.4	Ohio River	05140206	BALLARD	5-PS	5-PS	3	3	3	3	5/2/2002	WAH, FC, PCR, SCR
UT of Little Hood Creek 0 to 0.2	Ohio River	05090103	BOYD	5-NS	3	3	3	3	3	1/19/2009	WAH, CAH, FC, PCR, SCR
UT of Massac Creek 0 to 0.4	Ohio River	05140206	MCCRACKEN	5-PS	5-PS	3	3	3	3	3/1/2007	WAH, FC, PCR, SCR
UT of Massac Creek 0 to 0.7	Ohio River	05140206	MCCRACKEN	3	5-PS	3	3	3	3	5/2/2002	WAH, FC, PCR, SCR
UT of Massac Creek 0 to 1.7	Ohio River	05140206	MCCRACKEN	5-PS	3	3	3	3	5-PS	3/23/2012	WAH, FC, PCR, SCR, OSRW
UT of McKinney Branch 0 to 1.2	Ohio River	05090201	LEWIS	5-PS	3	3	3	3	3	3/23/2011	WAH, FC, PCR, SCR
UT of Middle Fork Massac Creek 0 to 2.9	Ohio River	05140206	MCCRACKEN	5-NS	3	3	3	3	3	3/14/2012	WAH, FC, PCR, SCR
UT of North Fork Canoe Creek 0 to 2.15	Ohio River	05140202	HENDERSON	3	5-NS	3	3	3	3	12/9/2013	WAH, FC, PCR, SCR
UT of Owl Creek 0 to 0.25	Ohio River	05090201	CAMPBELL	5-NS	3	3	3	3	3	3/23/2011	WAH, FC, PCR, SCR
UT of Pond Creek 0 to 0.5	Ohio River	05140101	OLDHAM	5-NS	3	3	3	3	3	4/12/2001	WAH, FC, PCR, SCR
UT of Pond Creek 0.5 to 0.9	Ohio River	05140101	OLDHAM	2-FS	3	3	3	3	3	4/12/2001	WAH, FC, PCR, SCR

Waterbody & Segment	Basin	8-Digit HUC	County	WAH/CAH	PCR	SCR	FC	DWS	OSRW	Assessment Date	Designated Uses
UT of UT of Corn Creek 0.20 to 2.20	Ohio River	05140101	TRIMBLE	2-FS	3	3	3	3	3	2/1/2012	WAH, FC, PCR, SCR
UT of UT of Eagle Creek 0 to 1.2	Ohio River	05140203	UNION	5-NS	3	3	3	3	3	1/24/2008	WAH, FC, PCR, SCR
UT of UT of Fourmile Creek 0 to 0.5	Ohio River	05090201	CAMPBELL	5-NS	3	3	3	3	3	3/23/2011	WAH, FC, PCR, SCR
UT of UT of UT of Owl Creek 0 to 0.1	Ohio River	05090201	CAMPBELL	5-NS	3	3	3	3	3	3/23/2011	WAH, FC, PCR, SCR
UT of UT of West Fork of Massac Creek 0 to 0.7	Ohio River	05140206	MCCRACKEN	5-NS	5-NS	3	3	3	3	3/19/2007	WAH, FC, PCR, SCR
UT of West Fork Canoe Creek 0 to 2.2	Ohio River	05140202	HENDERSON	5-NS	5-NS	3	3	3	3	1/7/2014	WAH, FC, PCR, SCR
UT of West Fork Massac Creek 0 to 1.75	Ohio River	05140206	MCCRACKEN	5-NS	5-NS	3	3	3	3	3/23/2012	WAH, FC, PCR, SCR
UT of West Fork of Massac Creek 0 to 0.8	Ohio River	05140206	MCCRACKEN	5-PS	3	3	3	3	3	3/19/2007	WAH, FC, PCR, SCR
UT of West Fork of Massac Creek 1.75 to 2.0	Ohio River	05140206	MCCRACKEN	5-PS	3	3	3	3	3	3/19/2007	WAH, FC, PCR, SCR
Wardens Slough 1.2 to 3.3	Ohio River	05140203	UNION	5-NS	3	3	3	3	3	3/1/2003	WAH, FC, PCR, SCR
Waterson Lake	Ohio River	05140101	JEFFERSON	3	3	3	2-FS	3	3	3/4/2009	WAH, FC, PCR, SCR
West Fork Canoe Creek 0 to 7.6	Ohio River	05140202	HENDERSON	5-NS	5-NS	3	3	3	3	1/10/2014	WAH, FC, PCR, SCR
West Fork Massac Creek 0 to 0.3	Ohio River	05140206	MCCRACKEN	5-PS	3	3	3	3	3	4/1/1998	WAH, FC, PCR, SCR
West Fork Massac Creek 1.0 to 6.2	Ohio River	05140206	MCCRACKEN	2-FS	3	3	3	3	2-FS	10/10/2006	WAH, FC, PCR, SCR, OSRW
White Sulphur Creek 0 to 3.9	Ohio River	05140101	HENRY	3	3	3	3	3	3		WAH, FC, PCR, SCR
Wilson Creek 0 to 6.9	Ohio River	05140202	HENDERSON	2-FS	5-NS	3	3	3	3	1/14/2014	WAH, FC, PCR, SCR
Wolf Creek 0 to 8.7	Ohio River	05140104	MEADE	3	3	3	3	3	3		WAH, FC, PCR, SCR
Woolper Creek 11.9 to 14.0	Ohio River	05090203	BOONE	5-NS	5-NS	3	3	3	3	8/10/2000	WAH, FC, PCR, SCR
Woolper Creek 2.8 to 7.45	Ohio River	05090203	BOONE	2-FS	5-NS	3	3	3	3	3/23/2011	WAH, FC, PCR, SCR

Waterbody & Segment	Basin	8-Digit HUC	County	WAH/CAH	PCR	SCR	FC	DWS	OSRW	Assessment Date	Designated Uses
Ashers Run 0 to 4.8	Salt River	05140102	OLDHAM	5-PS	5-NS	3	3	3	3	3/27/2014	WAH, FC, PCR, SCR
Ashes Creek 0.4 to 6.6	Salt River	05140102	NELSON	2-FS	3	3	3	3	3	10/5/2005	WAH, FC, PCR, SCR
Beaver Creek 0 to 20.9	Salt River	05140103	ANDERSON	2-FS	3	3	3	3	3	4/9/2001	WAH, FC, PCR, SCR
Beaver Lake	Salt River	05140103	ANDERSON	5-NS	3	5-NS	5-NS	3	3	3/25/2011	WAH, FC, PCR, SCR
Beech Creek 2.85 to 18.6	Salt River	05140102	SHELBY	2-FS	5-NS	5-NS	3	3	3	10/5/2005	WAH, FC, PCR, SCR
Beech Fork 0 to 12.0	Salt River	05140103	NELSON	2-FS	3	3	3	3	3	12/2/2005	WAH, FC, PCR, SCR
Beech Fork 109.7 to 111.8	Salt River	05140103	MARION	2-FS	3	3	3	3	3	10/5/2005	WAH, FC, PCR, SCR
Beech Fork 39.5 to 50.4	Salt River	05140103	WASHINGTON	5-NS	5-NS	3	2-FS	3	3	2/2/2011	WAH, FC, PCR, SCR
Beech Fork 50.4 to 57.3	Salt River	05140103	WASHINGTON	2-FS	3	3	3	3	3	8/11/2000	WAH, FC, PCR, SCR
Beech Fork 57.3 to 85.9	Salt River	05140103	WASHINGTON	2-FS	3	3	3	3	3	8/11/2000	WAH, FC, PCR, SCR
Big Bee Lick Creek 0 to 4.2	Salt River	05140102	JEFFERSON	3	5-NS	3	3	3	3	5/15/2014	WAH, FC, PCR, SCR
Big South Fork 0 to 12.65	Salt River	05140103	MARION	2-FS	5-PS	3	3	3	3	2/11/2011	WAH, FC, PCR, SCR
Big South Fork 16.6 to 18.0	Salt River	05140103	MARION	2-FS	3	3	3	3	3	10/6/2005	WAH, CAH, FC, PCR, SCR
Blue Spring Ditch 0 to 2.1	Salt River	05140102	JEFFERSON	2-FS	5-NS	3	3	3	3	2/22/2006 - 5/15/2014	WAH, FC, PCR, SCR
Brashears Creek 0 to 13.0	Salt River	05140102	SPENCER	2-FS	5-PS	2-FS	3	3	3	2/2/2011	WAH, FC, PCR, SCR
Brashears Creek 13.0 to 25.9	Salt River	05140102	SHELBY	2-FS	3	3	3	3	2-FS	2/2/2011	WAH, FC, PCR, SCR, OSRW
Broad Run 0.9 to 5.2	Salt River	05140102	BULLITT	5-NS	3	3	3	3	3	2/2/2011	WAH, FC, PCR, SCR
Brooks Run 0 to 2.7	Salt River	05140102	BULLITT	5-PS	3	3	3	3	3	2/11/2011	WAH, FC, PCR, SCR
Brooks Run 2.7 to 4.4	Salt River	05140102	BULLITT	5-PS	2-FS	3	3	3	3	2/7/2011	WAH, FC, PCR, SCR

Waterbody & Segment	Basin	8-Digit HUC	County	WAH/CAH	PCR	SCR	FC	DWS	OSRW	Assessment Date	Designated Uses
Brooks Run 4.4 to 6.4	Salt River	05140102	BULLITT	5-PS	2-FS	3	3	3	3	2/7/2006 - 2/11/2011	WAH, FC, PCR, SCR
Buchanan Creek 0 to 3.7	Salt River	05140102	MERCER	2-FS	3	3	3	3	3	10/6/2005	WAH, FC, PCR, SCR
Buckhorn Creek 0 to 2.3	Salt River	05140103	MARION	2-FS	2-FS	3	3	3	3	4/1/1998	WAH, FC, PCR, SCR
Bullitt Lick Creek 0 to 2.3	Salt River	05140102	BULLITT	5-PS	3	3	3	3	3	7/28/2000	WAH, FC, PCR, SCR
Bullskin Creek 0 to 3.4	Salt River	05140102	SHELBY	2-FS	3	3	3	3	3	6/28/2005	WAH, FC, PCR, SCR
Bullskin Creek 14.4 to 22.4	Salt River	05140102	SHELBY	5-PS	3	3	3	3	3	2/2/2011	WAH, FC, PCR, SCR
Cane Run 0 to 7.3	Salt River	05140102	JEFFERSON	2-FS	5-NS	3	3	3	3	2/11/2011	WAH, FC, PCR, SCR
Caney Fork 0 to 4.0	Salt River	05140102	NELSON	5-PS	4A-NS	3	3	3	3	2/7/2011	WAH, FC, PCR, SCR
Cartwright Creek 0 to 6.6	Salt River	05140103	WASHINGTON	5-PS	5-NS	3	2-FS	3	3	4/9/2001	WAH, FC, PCR, SCR
Cartwright Creek 12.7 to 15.3	Salt River	05140103	WASHINGTON	5-PS	3	3	3	3	3	2/2/2011	WAH, FC, PCR, SCR
Cartwright Creek 6.6 to 12.7	Salt River	05140103	WASHINGTON	2-FS	3	3	3	3	3	10/11/2010	WAH, FC, PCR, SCR
Cedar Creek 0 to 5.2	Salt River	05140102	BULLITT	2-FS	3	3	3	3	2-FS	10/11/2010	WAH, FC, PCR, SCR, OSRW
Cedar Creek 12.1 to 16.1	Salt River	05140102	JEFFERSON	5-PS	3	3	3	3	3	4/7/2014	WAH, FC, PCR, SCR
Cedar Creek 4.3 to 12.1	Salt River	05140102	JEFFERSON	5-PS	5-NS	2-FS	3	3	3	4/7/2014	WAH, FC, PCR, SCR
Chaplin River 0 to 23.1	Salt River	05140103	NELSON	2-FS	5-NS	2-FS	3	3	3	2/2/2011	WAH, FC, PCR, SCR
Chaplin River 32.6 to 32.8	Salt River	05140103	WASHINGTON	2-FS	3	3	3	3	3	4/9/2001	WAH, FC, PCR, SCR
Chaplin River 40.9 to 54.2	Salt River	05140103	WASHINGTON	2-FS	3	3	3	3	2-FS	9/20/2005	WAH, FC, PCR, SCR, OSRW
Chaplin River 64.1 to 71	Salt River	05140103	MERCER	5-NS	3	3	3	3	3	4/9/2001	WAH, FC, PCR, SCR
Chaplin River 71 to 79.4	Salt River	05140103	MERCER	2-FS	3	3	3	3	3	4/9/2001	WAH, FC, PCR, SCR

Waterbody & Segment	Basin	8-Digit HUC	County	WAH/CAH	PCR	SCR	FC	DWS	OSRW	Assessment Date	Designated Uses
Cheese Lick 0.7 to 4.4	Salt River	05140103	ANDERSON	5-PS	3	3	3	3	3	10/6/2005	WAH, FC, PCR, SCR
Chenoweth Run (Upper) 0 to 4.05	Salt River	05140102	JEFFERSON	5-NS	3	3	3	3	3	4/4/2014	WAH, FC, PCR, SCR
Chenoweth Run 0 to 5.25	Salt River	05140102	JEFFERSON	4A-PS	5-NS	5-PS	3	3	3	3/12/2001 - 2/22/2011	WAH, FC, PCR, SCR
Chenoweth Run 5.25 to 9.2	Salt River	05140102	JEFFERSON	4A-PS	5-NS	5-NS	3	3	3	3/12/2001	WAH, FC, PCR, SCR
Chickasaw Park Pond	Salt River	05140101	JEFFERSON	3	3	3	5-PS	3	3	10/7/2005	WAH, FC, PCR, SCR
Clear Creek 0 to 11.0	Salt River	05140102	SHELBY	5-NS	2-FS	3	3	3	3	1/12/2001	WAH, FC, PCR, SCR
Clear Creek 0 to 4.4	Salt River	05140103	HARDIN	5-NS	3	3	3	3	3	4/6/2001	WAH, FC, PCR, SCR
Cox Creek 0 to 4.7	Salt River	05140102	BULLITT	5-PS	4A-NS	2-FS	3	3	3	2/2/2011	WAH, FC, PCR, SCR
Cox Creek 11.4 to 18.6	Salt River	05140102	NELSON	5-NS	4A-NS	3	3	3	3	2/7/2011	WAH, FC, PCR, SCR
Cox Creek 18.6 to 23.8	Salt River	05140102	NELSON	5-NS	4A-NS	3	3	3	3	11/3/2010	WAH, FC, PCR, SCR
Cox Creek 4.7 to 11.4	Salt River	05140102	NELSON	3	4A-NS	3	3	3	3	2/7/2011	WAH, FC, PCR, SCR
Crooked Creek 1.0 to 10.1	Salt River	05140102	SPENCER	2-FS	3	3	3	3	3	8/2/2000	WAH, FC, PCR, SCR
Crooked Creek 5.6 to 12.8	Salt River	05140103	BULLITT	5-NS	3	3	3	3	3	8/11/2000	WAH, FC, PCR, SCR
Currys Fork 0 to 4.8	Salt River	05140102	OLDHAM	2-FS	5-NS	2-FS	3	3	3	4/7/2014	WAH, FC, PCR, SCR
Doctors Fork 0 to 3.8	Salt River	05140103	BOYLE	2-FS	3	3	3	3	2-FS	10/7/2005	WAH, FC, PCR, SCR, OSRW
East Fork Beech Fork 0 to 1.9	Salt River	05140103	WASHINGTON	5-PS	3	3	3	3	3	10/7/2005	WAH, FC, PCR, SCR
East Fork Cox Creek 0 to 4.3	Salt River	05140102	BULLITT	2-FS	4A-NS	3	3	3	3	2/7/2011	WAH, FC, PCR, SCR
Fagan Branch Reservoir (Marion County Lake)	Salt River	05140103	MARION	3	3	3	3	2-FS	3	3/25/2011	WAH, FC, PCR, SCR, DWS
Fern Creek 0 to 1.3	Salt River	05140102	JEFFERSON	5-PS	5-NS	3	3	3	3	3/22/2001 - 5/15/2014	WAH, FC, PCR, SCR

Waterbody & Segment	Basin	8-Digit HUC	County	WAH/CAH	PCR	SCR	FC	DWS	OSRW	Assessment Date	Designated Uses
Fern Creek 1.3 to 4.4	Salt River	05140102	JEFFERSON	5-NS	5-NS	3	3	3	3	5/2/2001 - 5/15/2014	WAH, FC, PCR, SCR
Fern Creek 4.4 to 5.9	Salt River	05140102	JEFFERSON	5-PS	5-NS	3	3	3	3	3/12/2001 - 5/15/2014	WAH, FC, PCR, SCR
Fiddle Spring	Salt River	05140104	BRECKINRIDGE	2-FS	3	3	3	3	3	10/12/2009	WAH, FC, PCR, SCR
Fishpool Creek 0 to 1.9	Salt River	05140102	JEFFERSON	2-FS	5-NS	3	3	3	3	5/16/2014	WAH, FC, PCR, SCR
Flat Rock Spring	Salt River	05140104	BRECKINRIDGE	2-FS	3	3	3	3	3	10/9/2009	WAH, FC, PCR, SCR
Floyds Fork 0 to 11.7	Salt River	05140102	BULLITT	2-FS	5-NS	2-FS	2-FS	3	3	2/7/2011	WAH, FC, PCR, SCR
Floyds Fork 11.7 to 24.2	Salt River	05140102	JEFFERSON	4A-NS	5-NS	2-FS	3	3	3	4/25/2014	WAH, FC, PCR, SCR
Floyds Fork 24.2 to 34.1	Salt River	05140102	JEFFERSON	2B(4A)	5-NS	2-FS	3	3	3	4/25/2014	WAH, FC, PCR, SCR
Floyds Fork 34.1 to 40.1	Salt River	05140102	JEFFERSON	2B(4A)	5-NS	5-NS	3	3	3	2/22/2011 - 4/28/2014	WAH, FC, PCR, SCR
Floyds Fork 40.1 to 45.7	Salt River	05140102	JEFFERSON	2B(4A)	5-NS	5-NS	3	3	3	4/28/2014	WAH, FC, PCR, SCR
Floyds Fork 45.7 to 61.9	Salt River	05140102	SHELBY	4A-PS	5-NS	5-NS	3	3	3	4/28/2014	WAH, FC, PCR, SCR
Froman Creek 0 to 1.25	Salt River	05140102	NELSON	3	4A-NS	3	3	3	3	2/7/2011	WAH, FC, PCR, SCR
Glens Creek 0 to 4.8	Salt River	05140103	WASHINGTON	2-FS	3	3	3	3	3	10/10/2005	WAH, FC, PCR, SCR
Gravel Creek 0.6 to 2.9	Salt River	05140102	BULLITT	2-FS	3	3	3	3	3	10/10/2005	WAH, FC, PCR, SCR
Greasy Ditch 0 to 2.6	Salt River	05140102	JEFFERSON	3	5-NS	3	3	3	3	5/15/2014	WAH, FC, PCR, SCR
Guist Creek 0.0 to 15.7	Salt River	05140102	SHELBY	2-FS	3	3	3	3	2-FS	3/25/2002	WAH, FC, PCR, SCR, OSRW
Guist Creek 15.7 to 28.0	Salt River	05140102	SHELBY	5-PS	3	3	3	3	3	4/9/2012	WAH, FC, PCR, SCR
Guist Creek Lake	Salt River	05140102	SHELBY	2-FS	3	3	5-PS	2-FS	3	3/4/2009 - 3/29/2011	WAH, FC, PCR, SCR, DWS
Hammond Creek 0 to 5.2	Salt River	05140102	ANDERSON	3	3	3	2-FS	3	3	8/4/2000	WAH, FC, PCR, SCR

Waterbody & Segment	Basin	8-Digit HUC	County	WAH/CAH	PCR	SCR	FC	DWS	OSRW	Assessment Date	Designated Uses
Hardins Creek 0 to 11.4	Salt River	05140104	BRECKINRIDGE	5-PS	3	3	3	3	3	2/25/2011	WAH, FC, PCR, SCR
Hardins Creek 0.0 to 7.2	Salt River	05140103	WASHINGTON	2-FS	3	3	3	3	3	3/7/2001	WAH, FC, PCR, SCR
Hardins Creek 13.3 to 22.9	Salt River	05140103	MARION	5-PS	3	3	3	3	3	6/8/2004	WAH, FC, PCR, SCR
Hardy Creek 0 to 1.4	Salt River	05140101	TRIMBLE	5-NS	3	3	3	3	3	8/1/1999	WAH, FC, PCR, SCR
Harts Run 0 to 1.8	Salt River	05140103	BULLITT	2-FS	3	3	3	3	2-FS	9/20/2005	WAH, FC, PCR, SCR, OSRW
Hayden Creek 0 to 1.3	Salt River	05140103	MERCER	5-NS	3	3	3	3	3	3/8/2005	WAH, FC, PCR, SCR
Indian Creek 0 to 2.9	Salt River	05140103	MERCER	2-FS	3	3	3	3	2-FS	3/8/2005	WAH, FC, PCR, SCR, OSRW
Jeptha Creek 0 to 0.7	Salt River	05140102	SHELBY	5-NS	3	3	3	3	3	8/7/2000	WAH, FC, PCR, SCR
Jeptha Creek 9.1 to 10.15	Salt River	05140102	SHELBY	5-NS	3	3	3	3	3	2/24/2011	WAH, FC, PCR, SCR
Jones Creek 0 to 3.9	Salt River	05140103	MARION	5-PS	3	3	3	3	3	4/6/2001	WAH, FC, PCR, SCR
Lick Creek 0 to 4.1	Salt River	05140103	WASHINGTON	2-FS	3	3	3	3	2-FS	3/10/2005	WAH, FC, PCR, SCR, OSRW
Little Bee Lick Creek 0 to 2.6	Salt River	05140102	JEFFERSON	3	5-NS	3	3	3	3	10/23/2013	WAH, FC, PCR, SCR
Little Goose Creek 0.0 to 9.5	Salt River	05140101	JEFFERSON	2-FS	5-PS	3	3	3	3	3/12/2001	WAH, FC, PCR, SCR
Little Kentucky River 0.2 to 21.5	Salt River	05140101	TRIMBLE	2-FS	2-FS	2-FS	3	3	3	12/2/2005	WAH, FC, PCR, SCR
Little South Fork 0 to 3.7	Salt River	05140103	CASEY	2-FS	3	3	3	3	3	9/19/2005	WAH, FC, PCR, SCR
Locust Creek 0 to 2.2	Salt River	05140101	CARROLL	2-FS	3	3	3	3	3	8/8/2000	WAH, FC, PCR, SCR
Long Lick Creek 0 to 10.5	Salt River	05140102	BULLITT	5-NS	3	3	3	3	3	10/12/2005	WAH, FC, PCR, SCR
Long Lick Creek 3.1 to 21.3	Salt River	05140103	WASHINGTON	2-FS	3	3	3	3	3	6/9/2004	WAH, FC, PCR, SCR
Long Run 0 to 9.9	Salt River	05140102	JEFFERSON	2-FS	5-NS	3	3	3	3	2/24/2011	WAH, FC, PCR, SCR

Waterbody & Segment	Basin	8-Digit HUC	County	WAH/CAH	PCR	SCR	FC	DWS	OSRW	Assessment Date	Designated Uses
Long Run Lake	Salt River	05140102	JEFFERSON	2-FS	3	3	3	3	3	3/29/2011	WAH, FC, PCR, SCR
Marion County Sportsman Lake	Salt River	05140103	MARION	2-FS	3	3	3	3	3	3/29/2011	WAH, FC, PCR, SCR
McNeely Lake	Salt River	05140102	JEFFERSON	2-FS	3	3	5-NS	3	3	3/29/2011	WAH, FC, PCR, SCR
Middle Fork Otter Creek 0 to 4.2	Salt River	05140103	LARUE	2-FS	3	3	3	3	3	4/6/2001	WAH, FC, PCR, SCR
Miles Park Pond #4	Salt River	05140102	JEFFERSON	3	3	3	2-FS	3	3	1/31/2008	WAH, FC, PCR, SCR
Mill Creek 0 to 2.7	Salt River	05140103	NELSON	2-FS	3	3	3	3	3	10/12/2005	WAH, FC, PCR, SCR
Mill Creek 11.8 to 23.6	Salt River	05140102	HARDIN	2-FS	3	3	3	3	3	2/6/2001	WAH, FC, PCR, SCR
Mill Creek 6.0 to 7.0	Salt River	05140102	HARDIN	3	3	3	5-NS	3	3	2/6/2001	WAH, FC, PCR, SCR
Mill Creek 7.0 to 11.8	Salt River	05140102	HARDIN	2-FS	3	3	3	3	3	2/6/2001	WAH, FC, PCR, SCR
Mill Creek Branch 0 to 0.7	Salt River	05140102	HARDIN	5-PS	3	3	3	3	3	2/6/2001	WAH, FC, PCR, SCR
Monks Creek 0 to 1.6	Salt River	05140103	NELSON	2-FS	3	3	3	3	3	10/12/2005	WAH, FC, PCR, SCR
Mud Creek 0 to 4.35	Salt River	05140102	JEFFERSON	3	5-NS	3	3	3	3	5/15/2014	WAH, FC, PCR, SCR
Mussin Branch 0 to 1.9	Salt River	05140103	MARION	4A-NS	4A-NS	4A-NS	3	3	3	2/14/2006	WAH, FC, PCR, SCR
North Fork Currys Fork 0 to 6.0	Salt River	05140202	OLDHAM	5-NS	5-NS	3	3	3	3	3/20/2014	WAH, FC, PCR, SCR
North Rolling Fork 0 to 3.7	Salt River	05140103	MARION	2-FS	3	3	3	3	3	4/6/2001	WAH, FC, PCR, SCR
North Rolling Fork 16.7 to 20.9	Salt River	05140103	BOYLE	2-FS	3	3	3	3	3	4/6/2001	WAH, FC, PCR, SCR
Northern Ditch 0 to 7.3	Salt River	05140102	JEFFERSON	5-PS	5-NS	3	3	3	3	5/22/2014	WAH, FC, PCR, SCR
Otter Creek 0 to 2.9	Salt River	05140103	LARUE	2-FS	5-PS	3	3	3	2-FS	2/24/2011	WAH, FC, PCR, SCR, OSRW
Overalls Creek 0 to 1.35	Salt River	05140103	BULLITT	2-FS	3	3	3	3	2-FS	10/11/2010	WAH, FC, PCR, SCR, OSRW

Waterbody & Segment	Basin	8-Digit HUC	County	WAH/CAH	PCR	SCR	FC	DWS	OSRW	Assessment Date	Designated Uses
Pennsylvania Run 0 to 3.3	Salt River	05140102	JEFFERSON	5-PS	5-NS	5-NS	3	3	3	4/8/2014	WAH, FC, PCR, SCR
Pleasant Run 4.2 to 6.9	Salt River	05140103	WASHINGTON	5-PS	3	3	3	3	3	10/13/2005	WAH, FC, PCR, SCR
Plum Creek 0 to 17.8	Salt River	05140102	SPENCER	5-NS	3	3	3	3	3	10/13/2005	WAH, FC, PCR, SCR
Plum Run 0 to 2.3	Salt River	05140103	WASHINGTON	2-FS	3	3	3	3	3	4/6/2004	WAH, FC, PCR, SCR
Pond Creek 5.2 to 8.1	Salt River	05140102	JEFFERSON	5-NS	5-NS	3	3	3	3	5/22/2014	WAH, FC, PCR, SCR
Pope Lick 0 to 2.1	Salt River	05140102	JEFFERSON	3	5-NS	3	3	3	3	2/28/2011	WAH, FC, PCR, SCR
Pope Lick 2.1 to 5.6	Salt River	05140102	JEFFERSON	2-FS	5-NS	3	3	3	3	2/24/2011	WAH, FC, PCR, SCR
Pottinger Creek 0.0 to 4.4	Salt River	05140103	NELSON	2-FS	3	3	3	3	3	3/7/2001	WAH, FC, PCR, SCR
Prather Creek 0 to 4.25	Salt River	05140103	WASHINGTON	2-FS	3	3	3	3	3	10/11/2010	WAH, FC, PCR, SCR
Road Run 0 to 7.1	Salt River	05140103	WASHINGTON	5-PS	3	3	3	3	3	10/13/2005	WAH, FC, PCR, SCR
Rocky Run 0 to 2.3	Salt River	05140102	BULLITT	3	4A-NS	3	3	3	3	2/28/2011	WAH, FC, PCR, SCR
Rolling Fork 0 to 37.75	Salt River	05140103	HARDIN	2-FS	5-NS	2-FS	3	3	3	3/1/2011	WAH, FC, PCR, SCR
Rolling Fork 100.1 to 108.1	Salt River	05140103	MARION	3	3	3	3	3	3		WAH, FC, PCR, SCR
Rolling Fork 37.75 to 40.7	Salt River	05140103	LARUE	2-FS	5-NS	2-FS	3	3	3	3/1/2011	WAH, FC, PCR, SCR
Rolling Fork 41.8 to 62.5	Salt River	05140103	LARUE	2-FS	3	3	3	3	2-FS	4/10/2001	WAH, FC, PCR, SCR, OSRW
Rolling Fork 62.0 to 76.1	Salt River	05140103	LARUE	2-FS	3	3	3	3	3	8/11/2000	WAH, FC, PCR, SCR
Rolling Fork 76.1 to 93.6	Salt River	05140103	MARION	2-FS	3	3	3	3	3	3/7/2001	WAH, FC, PCR, SCR
Rolling Fork 98.25 to 99.25	Salt River	05140103	MARION	3	3	3	3	2-FS	3	3/1/2011	WAH, FC, PCR, SCR, DWS
Ross Karst Spring	Salt River	05140104	BRECKINRIDGE	2-FS	3	3	3	3	3	10/9/2009	WAH, FC, PCR, SCR

Waterbody & Segment	Basin	8-Digit HUC	County	WAH/CAH	PCR	SCR	FC	DWS	OSRW	Assessment Date	Designated Uses
Rowan Creek 0 to 7.4	Salt River	05140103	NELSON	2-FS	3	3	3	3	3	4/10/2000	WAH, FC, PCR, SCR
Salt Block Creek 0 to 3.35	Salt River	05140102	JEFFERSON	3	5-NS	3	3	3	3	5/15/2014	WAH, FC, PCR, SCR
Salt Lick Creek 0 to 7.9	Salt River	05140103	MARION	2-FS	3	3	3	3	2-FS	3/1/2011	WAH, FC, PCR, SCR, OSRW
Salt River 11.2 to 25.4	Salt River	05140102	BULLITT	5-PS	5-NS	2-FS	5-PS	3	3	3/1/2011	WAH, FC, PCR, SCR
Salt River 111.2 to 134.8	Salt River	05140102	MERCER	5-NS	3	3	3	3	3	3/2/2011	WAH, FC, PCR, SCR
Salt River 134.8 to 142.1	Salt River	05140102	MERCER	2-FS	3	3	3	3	3	10/14/2005	WAH, FC, PCR, SCR
Salt River 49.7 to 55.4	Salt River	05140102	SPENCER	2-FS	3	3	3	3	3	3/25/2002	WAH, FC, PCR, SCR
Salt River 55.4 to 55.9	Salt River	05140102	SPENCER	2-FS	3	3	2-FS	3	3	3/2/2001	WAH, FC, PCR, SCR
Salt River 56.4 to 60.5	Salt River	05140102	SPENCER	2-FS	2-FS	2-FS	3	2-FS	3	2/28/2006	WAH, FC, PCR, SCR, DWS
Salt River 77.3 to 88.3	Salt River	05140102	ANDERSON	2-FS	5-NS	2-FS	2-FS	3	3	3/2/2011	WAH, FC, PCR, SCR
Salt River 88.4 to 111.2	Salt River	05140102	ANDERSON	2-FS	3	3	3	3	3	8/11/2000	WAH, FC, PCR, SCR
Scrubgrass Branch 0.2 to 0.7	Salt River	05140103	BOYLE	2-FS	3	3	3	3	3	4/6/2001	WAH, FC, PCR, SCR
Shelby Lake	Salt River	05140102	SHELBY	5-PS	3	3	3	3	3	3/29/2011	WAH, FC, PCR, SCR
Short Creek 0 to 5.0	Salt River	05140103	WASHINGTON	5-PS	3	3	3	3	3	6/10/2004	WAH, FC, PCR, SCR
Simpson Creek 0 to 6.8	Salt River	05140102	SPENCER	3	2-FS	3	3	3	3	2/1/2001	WAH, FC, PCR, SCR
South Fork Currys Fork 0 to 6.1	Salt River	05140102	OLDHAM	5-NS	5-NS	3	3	3	3	3/2/2011 - 2/19/2014	WAH, FC, PCR, SCR
South Long Run 0 to 3.6	Salt River	05140102	JEFFERSON	5-PS	5-NS	3	3	3	3	4/8/2014	WAH, FC, PCR, SCR
Southern Ditch 0 to 5.75	Salt River	05140102	JEFFERSON	2-FS	5-NS	3	3	3	3	4/1/1998	WAH, FC, PCR, SCR
Southern Ditch 5.75 to 9.00	Salt River	05140102	JEFFERSON	3	5-NS	3	3	3	3	5/15/2014	WAH, FC, PCR, SCR

Waterbody & Segment	Basin	8-Digit HUC	County	WAH/CAH	PCR	SCR	FC	DWS	OSRW	Assessment Date	Designated Uses
Sulphur Creek 0 to 10.0	Salt River	05140103	WASHINGTON	2-FS	5-PS	2-FS	3	3	2-FS	3/2/2011	WAH, FC, PCR, SCR, OSRW
Sympson Lake	Salt River	05140103	NELSON	2-FS	3	3	3	2-FS	3	3/31/2011	WAH, FC, PCR, SCR, DWS
Taylorville Reservoir	Salt River	05140102	SPENCER	4A-PS	3	2-FS	5-PS	3	3	2/28/2006	WAH, FC, PCR, SCR
Thompson Creek 0 to 9.3	Salt River	05140103	WASHINGTON	5-PS	3	3	3	3	3	3/4/2011	WAH, FC, PCR, SCR
Town Creek 0 to 4.1	Salt River	05140103	NELSON	2-FS	3	3	3	3	3	4/11/2001	WAH, FC, PCR, SCR
UT of Blue Spring Ditch 0 to 2.5	Salt River	05140102	JEFFERSON	3	5-NS	3	3	3	3	5/15/2014	WAH, FC, PCR, SCR
UT of Brooks Run 0 to 2.0	Salt River	05140102	BULLITT	5-NS	2-FS	3	3	3	3	8/5/1999	WAH, FC, PCR, SCR
UT of Buffalo Run 0 to 1.1	Salt River	05140102	BULLITT	5-NS	3	3	3	3	3	4/8/2004	WAH, FC, PCR, SCR
UT of Carmon Creek 0 to 1.9	Salt River	05140101	HENRY	3	5-NS	5-NS	3	3	3	9/30/2005	WAH, FC, PCR, SCR
UT of Cedar Creek 0 to 0.15	Salt River	05140102	BULLITT	5-NS	3	3	3	3	3	3/4/2011	WAH, FC, PCR, SCR
UT of Hammond Creek 0 to 1.8	Salt River	05140102	ANDERSON	5-NS	3	3	3	3	3	4/6/2004	WAH, FC, PCR, SCR
UT of Mill Creek 0 to 1.7	Salt River	05140103	WASHINGTON	5-NS	3	3	3	3	3	3/4/2011	WAH, FC, PCR, SCR
UT of North Fork Currys Fork 0 to 0.1	Salt River	05140102	OLDHAM	3	5-NS	3	3	3	3	9/28/2005	WAH, FC, PCR, SCR
UT of North Prong Long Lick Creek 0 to 0.25	Salt River	05140103	WASHINGTON	5-NS	3	3	3	3	3	3/4/2011	WAH, FC, PCR, SCR
UT of Rolling Fork 0 to 0.6	Salt River	05140103	MARION	4A-NS	4A-NS	4A-NS	3	3	3	2/14/2006	WAH, FC, PCR, SCR
UT of Rolling Fork 0 to 2.4	Salt River	05140103	MARION	4C-NS	3	3	3	3	3	3/4/2011	WAH, FC, PCR, SCR
UT of Salt River 0 to 2.4	Salt River	05140102	MERCER	5-PS	3	3	3	3	3	5/4/2004	WAH, FC, PCR, SCR
UT of South Fork Currys Fork 0 to 1.8	Salt River	05140102	OLDHAM	5-NS	5-PS	3	3	3	3	4/8/2014	WAH, FC, PCR, SCR
UT of Southern Ditch 0 to 2.6	Salt River	05140102	JEFFERSON	5-NS	3	3	3	3	3	4/16/2004	WAH, FC, PCR, SCR

Waterbody & Segment	Basin	8-Digit HUC	County	WAH/CAH	PCR	SCR	FC	DWS	OSRW	Assessment Date	Designated Uses
UT of UT of Brooks Run 0 to 0.35	Salt River	05140102	BULLITT	5-NS	3	3	3	3	3	3/4/2011	WAH, FC, PCR, SCR
UT of UT of Guist Creek 0 to 2.4	Salt River	05140102	SHELBY	5-PS	3	3	3	3	3	10/10/2005	WAH, FC, PCR, SCR
Wagnners Lake	Salt River	05140102	JEFFERSON	3	3	3	2-FS	3	3	9/25/2007	WAH, FC, PCR, SCR
West Fork Cox Creek 0 to 6.9	Salt River	05140102	NELSON	3	4A-NS	3	3	3	3	3/7/2011	WAH, FC, PCR, SCR
West Fork Otter Creek 0 to 3.1	Salt River	05140103	LARUE	2-FS	3	3	3	3	2-FS	10/17/2005	WAH, FC, PCR, SCR, OSRW
Wetwoods Creek (Slop Ditch) 2.2 to 4.25	Salt River	05140102	JEFFERSON	5-PS	5-NS	3	3	3	3	4/1/1998 - 5/16/2014	WAH, FC, PCR, SCR
Willisburg Lake	Salt River	05140103	WASHINGTON		3	3	3	2-FS	3	8/26/2005 - 3/31/2011	WAH, FC, PCR, SCR, DWS
Willow Pond	Salt River	05140101	JEFFERSON	3	3	3	2-FS	3	3	10/7/2005	WAH, FC, PCR, SCR
Wilson Creek 0 to 2.2	Salt River	05140103	NELSON	5-NS	3	3	3	3	5-NS	10/17/2005	WAH, FC, PCR, SCR, OSRW
Wilson Creek 0 to 5.6	Salt River	05140102	JEFFERSON	3	5-NS	3	3	3	3	5/15/2014	WAH, FC, PCR, SCR
Wilson Creek 9.5 to 18.35	Salt River	05140103	BULLITT	2-FS	3	3	3	3	2-FS	3/23/2011	WAH, FC, PCR, SCR, OSRW
Withrow Creek 0 to 3.9	Salt River	05140103	NELSON	5-PS	3	3	3	3	3	10/17/2005	WAH, FC, PCR, SCR
Yellowbank Creek 1.5 to 11.8	Salt River	05140101	BRECKINRIDGE	2-FS	3	3	3	3	2-FS	3/7/2011	WAH, FC, PCR, SCR, OSRW
Younger Creek 0 to 4.5	Salt River	05140103	HARDIN	5-PS	3	3	3	3	3	10/17/2005	WAH, FC, PCR, SCR
Anderson Creek 1.9 to 5.05	Tennessee River	06040005	CALLOWAY	2-FS	3	3	3	3	3	3/14/2012	WAH, FC, PCR, SCR
Angle Creek 0 to 0.8	Tennessee River	06040006	MARSHALL	5-PS	5-NS	3	3	3	3	3/25/2002	WAH, FC, PCR, SCR
Bear Creek 0.6 to 1.6	Tennessee River	06040006	GRAVES	5-PS	5-PS	3	3	3	3	5/4/2002	WAH, FC, PCR, SCR
Bear Creek 4.2 to 7.4	Tennessee River	06040005	MARSHALL	3	5-NS	3	3	3	3	3/25/2002	WAH, FC, PCR, SCR
Bee Creek 0 to 0.7	Tennessee River	06040006	CALLOWAY	5-NS	4A-NS	3	3	3	3	2/22/2007 - 3/14/2012	WAH, FC, PCR, SCR

Waterbody & Segment	Basin	8-Digit HUC	County	WAH/CAH	PCR	SCR	FC	DWS	OSRW	Assessment Date	Designated Uses
Bee Creek 0.7 to 2.0	Tennessee River	06040006	CALLOWAY	2-FS	4A-NS	3	3	3	3	3/25/2002 - 1/1/2007	WAH, FC, PCR, SCR
Beechy Creek 0.5 to 3.8	Tennessee River	06040005	CALLOWAY	2-FS	3	3	3	3	3	8/10/2000	WAH, FC, PCR, SCR
Blizzard Ponds Drainage Canal 0.0 to 3.75	Tennessee River	06040006	MCCRACKEN	5-PS	4A-NS	3	3	3	3	10/10/2006	WAH, FC, PCR, SCR
Blizzard Ponds Drainage Canal 4.5 to 5.5	Tennessee River	06040006	MCCRACKEN	5-PS	4A-PS	3	3	3	3	5/2/2002	WAH, FC, PCR, SCR
Blood River 10.95 to 18.7	Tennessee River	06040005	CALLOWAY	2-FS	3	3	3	3	2-FS	7/5/2001	WAH, FC, PCR, SCR, OSRW
Camp Creek 0 to 5.4	Tennessee River	06040006	MCCRACKEN	5-PS	4A-PS	3	3	3	3	3/25/2002	WAH, FC, PCR, SCR
Camp Creek 5.4 to 9.5	Tennessee River	06040006	GRAVES	3	4A-NS	3	3	3	3	3/15/2012	WAH, FC, PCR, SCR
Champion Creek 0 to 1.5	Tennessee River	06040006	MCCRACKEN	5-NS	3	3	3	3	3	3/25/2002	WAH, FC, PCR, SCR
Chestnut Creek 0 to 3.0	Tennessee River	06040006	MARSHALL	5-PS	4A-NS	3	3	3	3	3/25/2002	WAH, FC, PCR, SCR
Chestnut Creek 3.2 to 3.9	Tennessee River	06040006	MARSHALL	5-NS	5-NS	3	3	3	3	3/15/2012	WAH, FC, PCR, SCR
Chestnut Creek 3.9 to 4.6	Tennessee River	06040006	MARSHALL	5-NS	5-NS	3	3	3	3	3/15/2012	WAH, FC, PCR, SCR
Clarks River 13.2 to 20.65	Tennessee River	06040006	MCCRACKEN	5-NS	4A-PS	3	3	3	3	3/15/2012	WAH, FC, PCR, SCR
Clarks River 28.7 to 30.65	Tennessee River	06040006	MARSHALL	2-FS	3	3	3	3	2-FS	3/25/2002	WAH, FC, PCR, SCR, OSRW
Clarks River 31.7 to 34.8	Tennessee River	06040006	MARSHALL	2-FS	3	3	3	3	3	3/25/2002	WAH, FC, PCR, SCR
Clarks River 34.8 to 42.6	Tennessee River	06040006	MARSHALL	5-PS	3	3	3	3	3	3/22/2006	WAH, FC, PCR, SCR
Clarks River 42.6 to 48.6	Tennessee River	06040006	MARSHALL	2-FS	3	3	3	3	3	3/25/2002	WAH, FC, PCR, SCR
Clarks River 5.0 to 13.2	Tennessee River	06040006	MCCRACKEN	5-PS	2-FS	3	3	3	3	3/25/2002 - 3/28/2007	WAH, FC, PCR, SCR
Clarks River 51.95 to 55.15	Tennessee River	06040006	CALLOWAY	2-FS	4A-NS	3	2-FS	3	3	3/15/2012	WAH, FC, PCR, SCR
Clarks River 55.15 to 64.65	Tennessee River	06040006	CALLOWAY	5-PS	4A-NS	3	2-FS	3	3	10/2/2007	WAH, FC, PCR, SCR

Waterbody & Segment	Basin	8-Digit HUC	County	WAH/CAH	PCR	SCR	FC	DWS	OSRW	Assessment Date	Designated Uses
Clarks River 64.7 to 66.8	Tennessee River	06040006	CALLOWAY	5-PS	4A-NS	3	3	3	3	1/1/2007	WAH, FC, PCR, SCR
Clayton Creek 0.75 to 3.3	Tennessee River	06040006	CALLOWAY	5-PS	3	3	3	3	3	1/1/2007	WAH, FC, PCR, SCR
Clayton Creek 3.3 to 7.7	Tennessee River	06040006	CALLOWAY	5-PS	4A-NS	3	3	3	3	5/2/2002 - 10/10/2006	WAH, FC, PCR, SCR
Clayton Creek Relict Channel 0 to 1.2	Tennessee River	06040006	CALLOWAY	3	4A-PS	3	3	3	3	3/16/2012	WAH, FC, PCR, SCR
Clear Creek 0.7 to 3.1	Tennessee River	06040005	MARSHALL	5-PS	3	3	3	3	3	11/1/2006	WAH, FC, PCR, SCR
Cypress Creek 0 to 6.2	Tennessee River	06040006	MARSHALL	5-NS	2-FS	3	3	3	3	3/19/2012	WAH, FC, PCR, SCR
Cypress Creek 6.2 to 7.7	Tennessee River	06040006	MARSHALL	5-NS	3	3	3	3	3	5/2/2002	WAH, FC, PCR, SCR
Cypress Creek 7.7 to 9.7	Tennessee River	06040006	MARSHALL	5-NS	3	3	3	3	3	2/27/2002	WAH, FC, PCR, SCR
Damon Creek 0 to 1.8	Tennessee River	06040006	CALLOWAY	2-FS	4A-NS	3	3	3	3	10/10/2006	WAH, FC, PCR, SCR
Duncan Creek 0 to 2.5	Tennessee River	06040006	MARSHALL	2-FS	4A-NS	3	3	3	3	5/2/2002 - 3/19/2012	WAH, FC, PCR, SCR
East Fork Clarks River 0.0 to 2.8	Tennessee River	06040006	CALLOWAY	2-FS	4A-NS	3	3	3	3	1/1/2007 - 3/19/2012	WAH, FC, PCR, SCR
East Fork Clarks River 6.1 to 7.2	Tennessee River	06040006	CALLOWAY	3	2-FS	3	3	3	3	3/19/2012	WAH, FC, PCR, SCR
East Fork Clarks River 7.2 to 8.0	Tennessee River	06040006	CALLOWAY	3	4A-NS	3	3	3	3	3/19/2012	WAH, FC, PCR, SCR
Farley Branch 0 to 2.2	Tennessee River	06040006	CALLOWAY	5-PS	4A-NS	3	3	3	3	2/28/2006 - 3/19/2012	WAH, FC, PCR, SCR
Grindstone Creek 0.5 to 2.8	Tennessee River	06040005	CALLOWAY	2-FS	3	3	3	3	2-FS	10/10/2006	WAH, FC, PCR, SCR, OSRW
Guess Creek 0 to 2.6	Tennessee River	06040006	LIVINGSTON	5-PS	3	3	3	3	3	5/2/2002	WAH, FC, PCR, SCR
Guier Branch 0 to 2.9	Tennessee River	06040006	CALLOWAY	3	2-FS	3	3	3	3	3/19/2012	WAH, FC, PCR, SCR
Haskell Branch 1.2 to 4.5	Tennessee River	06040006	GRAVES	5-PS	4A-NS	3	3	3	3	3/19/2012	WAH, FC, PCR, SCR
Hominy Branch 2.3 to 3.8	Tennessee River	08010201	GRAVES	2-FS	3	3	3	3	3	2/28/2007	WAH, FC, PCR, SCR

Waterbody & Segment	Basin	8-Digit HUC	County	WAH/CAH	PCR	SCR	FC	DWS	OSRW	Assessment Date	Designated Uses
Island Creek 0 to 5.7	Tennessee River	06040006	MCCRACKEN	5-PS	5-NS	3	3	3	3	5/2/2002	WAH, FC, PCR, SCR
Island Creek 5.7 to 10.1	Tennessee River	06040006	MCCRACKEN	5-PS	3	3	3	3	3	4/1/1998	WAH, FC, PCR, SCR
Jonathan Creek 10.6 to 18.9	Tennessee River	06040005	CALLOWAY	2-FS	3	3	3	3	3	5/2/2002	WAH, FC, PCR, SCR
Jonathan Creek 7.3 to 10.6	Tennessee River	06040005	CALLOWAY	5-PS	3	3	3	3	3	2/28/2007	WAH, FC, PCR, SCR
Kentucky Lake	Tennessee River	06040005	MARSHALL	1-FS	1-FS	1-FS	1-FS	1-FS	1-FS	11/28/2006	WAH, FC, PCR, SCR, DWS
Ledbetter Creek 2.8 to 5.3	Tennessee River	06040005	CALLOWAY	2-FS	3	3	3	3	3	5/2/2002	WAH, FC, PCR, SCR
Little Bee Creek 0 to 2.15	Tennessee River	06040006	MARSHALL	5-NS	3	3	3	3	3	11/17/2011	WAH, FC, PCR, SCR
Little Cypress Creek 0 to 3.4	Tennessee River	06040006	MARSHALL	5-NS	5-PS	3	3	3	3	5/2/2002	WAH, FC, PCR, SCR
Little Cypress Creek 3.4 to 6.0	Tennessee River	06040006	MARSHALL	5-NS	3	3	3	3	3	5/2/2002	WAH, FC, PCR, SCR
Little Cypress Creek 7.4 to 7.95	Tennessee River	06040006	MARSHALL	5-NS	5-NS	3	3	3	3	3/19/2012	WAH, FC, PCR, SCR
Little Jonathan Creek 0 to 3.0	Tennessee River	06040005	CALLOWAY	2-FS	3	3	3	3	3	5/2/2002	WAH, FC, PCR, SCR
Little White Oak Creek 0 to 2.4	Tennessee River	06040006	MARSHALL	5-PS	5-PS	3	3	3	3	3/22/2006	WAH, FC, PCR, SCR
Maple Spring Branch 2.7 to 3.25	Tennessee River	06040005	MARSHALL	3	5-NS	3	3	3	3	9/27/2011	WAH, FC, PCR, SCR
Martins Creek 0 to 0.8	Tennessee River	06040006	MARSHALL	5-PS	5-PS	3	3	3	3	5/2/2002	WAH, FC, PCR, SCR
Middle Fork Clarks River 0 to 2.7	Tennessee River	06040006	CALLOWAY	2-FS	2-FS	3	3	3	3	5/2/2002 - 3/19/2012	WAH, FC, PCR, SCR
Middle Fork Clarks River 2.7 to 4.8	Tennessee River	06040006	CALLOWAY	5-PS	4A-NS	3	3	3	3	3/2/2007 - 3/19/2012	WAH, FC, PCR, SCR
Middle Fork Clarks River 6.1 to 9.1	Tennessee River	06040006	CALLOWAY	3	4A-NS	3	3	3	3	3/19/2012	WAH, FC, PCR, SCR
Middle Fork Clarks River 9.1 to 14.90	Tennessee River	06040006	CALLOWAY	5-NS	3	3	3	3	3	3/19/2012	WAH, FC, PCR, SCR
Middle Fork Creek 0.2 to 6.0	Tennessee River	06040006	MARSHALL	5-PS	4A-NS	3	3	3	3	3/19/2012	WAH, FC, PCR, SCR

Waterbody & Segment	Basin	8-Digit HUC	County	WAH/CAH	PCR	SCR	FC	DWS	OSRW	Assessment Date	Designated Uses
Panther Creek 0 to 3.1	Tennessee River	06040006	GRAVES	2-FS	4A-NS	3	3	3	3	3/19/2012	WAH, FC, PCR, SCR
Panther Creek 0.50 to 5.20	Tennessee River	06040005	CALLOWAY	2-FS	3	3	3	3	2-FS	3/19/2012	WAH, FC, PCR, SCR, OSRW
Panther Creek 3.1 to 4.2	Tennessee River	06040006	GRAVES	2-FS	3	3	3	3	3	6/28/2001	WAH, FC, PCR, SCR
Pryor Branch 0 to 2.9	Tennessee River	06040006	GRAVES	2-FS	3	3	3	3	3	6/28/2000	WAH, FC, PCR, SCR
Rockhouse Creek 0 to 4.8	Tennessee River	06040006	CALLOWAY	2-FS	3	3	3	3	3	3/21/2006	WAH, FC, PCR, SCR
Sand Lick Branch 0 to 1.2	Tennessee River	06040006	CALLOWAY	3	4A-NS	3	3	3	3	3/19/2012	WAH, FC, PCR, SCR
Soldier Creek 0 to 5.7	Tennessee River	06040006	MARSHALL	2-FS	4A-NS	3	3	3	3	10/10/2006 - 3/19/2012	WAH, FC, PCR, SCR
South Fork Camp Creek 0 to 1.35	Tennessee River	06040006	GRAVES	3	4A-NS	3	3	3	3	3/19/2012	WAH, FC, PCR, SCR
Spring Creek 0 to 2.0	Tennessee River	06040006	GRAVES	5-PS	4A-NS	3	3	3	3	3/15/2007 - 3/20/2012	WAH, FC, PCR, SCR
Spring Creek 3.6 to 5.4	Tennessee River	06040006	GRAVES	5-NS	4A-NS	3	3	3	3	3/15/2007 - 3/19/2012	WAH, FC, PCR, SCR
Sugar Creek 0 to 3.9	Tennessee River	06040006	GRAVES	2-FS	3	3	3	3	2-FS	6/28/2000	WAH, FC, PCR, SCR, OSRW
Sugar Creek 2.0 to 5.5	Tennessee River	06040005	CALLOWAY	2-FS	3	3	3	3	2-FS	3/15/2007	WAH, FC, PCR, SCR, OSRW
Tennessee River 1.1 to 3.8	Tennessee River	06040006	MCCRACKEN	3	5-NS	3	3	3	3	3/16/2007	WAH, FC, PCR, SCR
Tennessee River 11.6 to 21.4	Tennessee River	06040006	MARSHALL	2-FS	3	3	3	3	2-FS	12/3/2001	WAH, FC, PCR, SCR, OSRW
Tennessee River 21.4 to 22.7	Tennessee River	06040006	MARSHALL	5-PS	3	3	2-FS	3	5-PS	3/20/2006	WAH, FC, PCR, SCR, OSRW
Tennessee River 4.2 to 10.1	Tennessee River	06040006	MCCRACKEN	2-FS	3	3	3	3	3	3/20/2007	WAH, FC, PCR, SCR
Trace Creek 1.1 to 5.9	Tennessee River	06040006	GRAVES	2-FS	4A-PS	3	3	3	2-FS	3/20/2012	WAH, FC, PCR, SCR, OSRW
Turkey Creek 0 to 3.5	Tennessee River	06040006	GRAVES	5-PS	4A-NS	3	3	3	3	1/1/2007 - 3/20/2012	WAH, FC, PCR, SCR
Turkey Creek 1.9 to 3.9	Tennessee River	06040005	TRIGG	2-FS	3	3	3	3	3	5/2/2002	WAH, FC, PCR, SCR

Waterbody & Segment	Basin	8-Digit HUC	County	WAH/CAH	PCR	SCR	FC	DWS	OSRW	Assessment Date	Designated Uses
UT of Blizzard Ponds Drainage Canal at RM 3.7 0 to 4.2	Tennessee River	06040006	MCCRACKEN	3	4A-NS	3	3	3	3	3/20/2012	WAH, FC, PCR, SCR
UT of Chestnut Creek 0 to 0.7	Tennessee River	06040006	MARSHALL	5-NS	4A-NS	3	3	3	3	3/20/2012	WAH, FC, PCR, SCR
UT of Clarks River 0 to 3.3	Tennessee River	06040006	CALLOWAY	5-NS	3	3	3	3	3	3/22/2006	WAH, FC, PCR, SCR
UT of Middle Fork Clarks River 0 to 1.3	Tennessee River	06040006	CALLOWAY	5-NS	3	3	3	3	3	3/14/2012	WAH, FC, PCR, SCR
UT of Old Beaver Dam Slough 0 to 0.5	Tennessee River	06040006	MARSHALL	5-NS	3	3	3	3	3	5/2/2002	WAH, FC, PCR, SCR
UT of South Fork Camp Creek at RM 0.05 0 to 3.0	Tennessee River	06040006	GRAVES	3	4A-NS	3	3	3	3	3/20/2012	WAH, FC, PCR, SCR
UT of Stice Creek 0 to 0.4	Tennessee River	06040006	MARSHALL	5-NS	5-NS	3	3	3	3	3/20/2012	WAH, FC, PCR, SCR
UT of Sugar Creek 0 to 3.0	Tennessee River	06040005	CALLOWAY	2-FS	3	3	3	3	3	11/1/2003	WAH, FC, PCR, SCR
UT of UT of Clarks River 0 to 0.95	Tennessee River	06040006	MARSHALL	3	5-NS	3	3	3	3	9/27/2011	WAH, FC, PCR, SCR
UT of UT of Panther Creek 0 to 1.8	Tennessee River	06040006	GRAVES	2-FS	3	3	3	3	2-FS	3/12/2007	WAH, FC, PCR, SCR, OSRW
UT of UT of Tennessee River (Kentucky Lake) 0.15 to 0.8	Tennessee River	06040005	CALLOWAY	5-NS	3	3	3	3	3	3/22/2006	WAH, FC, PCR, SCR
Wades Creek 0 to 4.0	Tennessee River	06040006	MARSHALL	2-FS	3	3	3	3	3	5/2/2002	WAH, FC, PCR, SCR
West Fork Clarks River (Relict Channel) 0 to 11.1	Tennessee River	06040006	GRAVES	5-PS	4A-NS	3	3	3	3	3/20/2012	WAH, FC, PCR, SCR
West Fork Clarks River 0 to 10.35	Tennessee River	06040006	GRAVES	5-NS	4A-NS	3	3	3	3	3/20/2012	WAH, FC, PCR, SCR
West Fork Clarks River 10.35 to 13.1	Tennessee River	06040006	GRAVES	3	4A-NS	3	3	3	3	3/20/2012	WAH, FC, PCR, SCR
West Fork Clarks River 13.1 to 17.2	Tennessee River	06040006	GRAVES	2-FS	4A-NS	3	3	3	3	3/20/2012	WAH, FC, PCR, SCR
West Fork Clarks River 17.2 to 20.1	Tennessee River	06040006	GRAVES	2-FS	3	3	3	3	3	3/21/2006	WAH, FC, PCR, SCR
West Fork Clarks River 20.1 to 28.5	Tennessee River	06040006	MARSHALL	2-FS	4A-PS	3	5-PS	3	2-FS	3/20/2012	WAH, FC, PCR, SCR, OSRW
West Fork Clarks River 28.5 to 31.4	Tennessee River	06040006	CALLOWAY	3	4A-NS	3	3	3	3	3/20/2012	WAH, FC, PCR, SCR

Waterbody & Segment	Basin	8-Digit HUC	County	WAH/CAH	PCR	SCR	FC	DWS	OSRW	Assessment Date	Designated Uses
West Fork Clarks River 31.4 to 34.2	Tennessee River	06040006	CALLOWAY	3	4A-NS	3	3	3	3	3/20/2012	WAH, FC, PCR, SCR
West Fork Clarks River 34.2 to 38.4	Tennessee River	06040006	CALLOWAY	2-FS	3	3	3	3	3	3/16/2007	WAH, FC, PCR, SCR
Wildcat Creek 1.3 to 6.8	Tennessee River	06040005	CALLOWAY	2-FS	3	3	3	3	3	10/10/2006	WAH, FC, PCR, SCR
Bishop Ditch 0 to 2.7	Tradewater	05140205	WEBSTER	5-NS	3	3	3	3	3	3/1/2003	WAH, FC, PCR, SCR
Brooks Creek 0 to 4.9	Tradewater	05140205	HOPKINS	2-FS	3	3	3	3	3	3/1/2003	WAH, FC, PCR, SCR
Buffalo Creek 0 to 6.8	Tradewater	05140205	HOPKINS	5-PS	3	3	3	3	3	3/1/2003	WAH, FC, PCR, SCR
Bull Creek 0 to 1.0	Tradewater	05140205	WEBSTER	5-PS	3	3	3	3	3	3/1/2003	WAH, FC, PCR, SCR
Cane Run 0 to 3.5	Tradewater	05140205	HOPKINS	4A-NS	4A-NS	4A-NS	3	3	3	4/1/1998	WAH, FC, PCR, SCR
Caney Creek 0 to 3.3	Tradewater	05140205	CALDWELL	5-NS	3	3	3	3	3	3/1/2003	WAH, FC, PCR, SCR
Caney Creek 0 to 8.2	Tradewater	05140205	HOPKINS	5-NS	5-NS	5-NS	3	3	3	10/1/2007	WAH, FC, PCR, SCR
Caney Fork 3.5 to 8.0	Tradewater	05140205	WEBSTER	5-PS	3	3	3	3	3	3/1/2003	WAH, FC, PCR, SCR
Castleberry Creek 0 to 2.1	Tradewater	05140205	CHRISTIAN	5-PS	3	3	3	3	3	3/1/2003	WAH, FC, PCR, SCR
Clear Creek 0 to 7.5	Tradewater	05140205	HOPKINS	5-NS	2-FS	2-FS	3	3	3	9/20/2013	WAH, FC, PCR, SCR
Clear Creek 19.4 to 26.2	Tradewater	05140205	HOPKINS	5-PS	3	3	3	3	3	3/1/2003	WAH, FC, PCR, SCR
Clear Creek 26.2 to 26.5	Tradewater	05140205	HOPKINS	3	5-NS	3	3	3	3	4/1/1998	WAH, FC, PCR, SCR
Copper Creek 0 to 2.7	Tradewater	05140205	HOPKINS	5-NS	5-NS	5-NS	3	3	3	10/1/2007	WAH, FC, PCR, SCR
Copperas Creek 0 to 3.6	Tradewater	05140205	HOPKINS	5-NS	5-NS	5-NS	3	3	3	10/1/2007	WAH, FC, PCR, SCR
Craborchard Creek 19.2 to 21.3	Tradewater	05140205	WEBSTER	5-PS	3	3	3	3	3	3/1/2003	WAH, FC, PCR, SCR
Craborchard Creek 9.2 to 13.6	Tradewater	05140205	WEBSTER	5-NS	3	3	3	3	3	9/24/2013	WAH, FC, PCR, SCR

Waterbody & Segment	Basin	8-Digit HUC	County	WAH/CAH	PCR	SCR	FC	DWS	OSRW	Assessment Date	Designated Uses
Cypress Creek 0 to 3.3	Tradewater	05140205	UNION	5-NS	5-NS	5-PS	3	3	3	1/13/2014	WAH, FC, PCR, SCR
Cypress Creek 3.3 to 10.85	Tradewater	05140205	UNION	5-NS	3	3	3	3	3	1/31/2014	WAH, FC, PCR, SCR
Donaldson Creek 0 to 14.2	Tradewater	05140205	CALDWELL	5-PS	5-NS	5-PS	3	3	3	1/13/2014	WAH, FC, PCR, SCR
Donaldson Creek 16.5 to 23.05	Tradewater	05140205	CALDWELL	5-PS	3	3	3	3	3	4/1/2014	WAH, FC, PCR, SCR
East Fork of Flynn Fork 2.1 to 4.6	Tradewater	05140205	CALDWELL	2-FS	3	3	3	3	2-FS	11/12/2002	WAH, FC, PCR, SCR, OSRW
East Fork of Hurricane Creek 0 to 2.2	Tradewater	05140205	HOPKINS	5-NS	3	3	3	3	3	10/1/2007	WAH, FC, PCR, SCR
Flynn Fork 1.9 to 7.1	Tradewater	05140205	CALDWELL	5-PS	3	3	3	3	3	10/4/2013	WAH, FC, PCR, SCR
Fox Run 0 to 1.1	Tradewater	05140205	HOPKINS	5-NS	5-NS	5-NS	3	3	3	10/1/2007	WAH, FC, PCR, SCR
Hoods Creek 0 to 7.2	Tradewater	05140205	CRITTENDEN	2-FS	3	3	3	3	3	11/12/2002	WAH, FC, PCR, SCR
Hurricane Creek 0 to 1.8	Tradewater	05140205	HOPKINS	5-NS	5-NS	5-NS	3	3	3	1/11/2008	WAH, FC, PCR, SCR
Lake Beshear	Tradewater	05140205	CALDWELL	2-FS	3	2-FS	2-FS	2-FS	3	4/16/2014	WAH, FC, PCR, SCR, DWS
Lake Peewee	Tradewater	05140205	HOPKINS	2-FS	3	2-FS	3	2-FS	3	4/15/2014	WAH, FC, PCR, SCR, DWS
Lambs Creek 0 to 3.3	Tradewater	05140205	HOPKINS	5-PS	3	3	3	3	3	3/1/2003	WAH, FC, PCR, SCR
Lick Creek 0 to 11.9	Tradewater	05140205	HOPKINS	5-NS	3	3	3	3	3	3/1/2003	WAH, FC, PCR, SCR
Loch Mary	Tradewater	05140205	HOPKINS	2-FS	3	2-FS	3	2-FS	3	11/14/2006	WAH, FC, PCR, SCR, DWS
Lynn Fork 0 to 2.4	Tradewater	05140205	WEBSTER	5-PS	3	3	3	3	3	3/1/2003	WAH, FC, PCR, SCR
Moffit Lake	Tradewater	05140205	UNION	2-FS	3	2-FS	3	3	3	11/14/2006	WAH, FC, PCR, SCR
Montgomery Creek 0 to 7.3	Tradewater	05140205	CALDWELL	5-NS	3	3	3	3	3	10/15/2013	WAH, FC, PCR, SCR
Owens Creek 1.7 to 2.3	Tradewater	05140205	WEBSTER	5-NS	3	3	3	3	3	1/11/2008	WAH, FC, PCR, SCR

Waterbody & Segment	Basin	8-Digit HUC	County	WAH/CAH	PCR	SCR	FC	DWS	OSRW	Assessment Date	Designated Uses
Pennyrile Lake	Tradewater	05140205	CHRISTIAN	2-FS	3	2-FS	3	3	3	4/15/2014	WAH, FC, PCR, SCR
Pigeonroost Creek 0 to 3.9	Tradewater	05140205	CRITTENDEN	5-PS	3	3	3	3	3	3/1/2003	WAH, FC, PCR, SCR
Piney Creek 17.2 to 25.4	Tradewater	05140205	CRITTENDEN	2-FS	3	3	3	3	3	11/12/2002	WAH, FC, PCR, SCR
Piney Creek 4.5 to 10.2	Tradewater	05140205	CALDWELL	2-FS	3	3	3	3	2-FS	11/12/2002	WAH, FC, PCR, SCR, OSRW
Piney Creek 9.2 to 16.1	Tradewater	05140205	CRITTENDEN	5-PS	3	3	3	3	3	11/8/2013	WAH, FC, PCR, SCR
Pogue Creek 0 to 4.9	Tradewater	05140205	HOPKINS	2-FS	3	3	3	3	3	3/1/2003	WAH, FC, PCR, SCR
Pond Creek 0 to 5.5	Tradewater	05140205	HOPKINS	5-PS	3	3	3	3	3	3/1/2003	WAH, FC, PCR, SCR
Providence City Reservoir	Tradewater	05140205	WEBSTER	2-FS	3	2-FS	3	2-FS	3	1/1/2002 - 1/28/2008	WAH, FC, PCR, SCR, DWS
Richland Creek 0 to 4.5	Tradewater	05140205	HOPKINS	5-NS	3	3	3	3	3	3/1/2003	WAH, FC, PCR, SCR
Rose Creek 1.1 to 6.1	Tradewater	05140205	HOPKINS	5-NS	3	3	3	3	3	11/27/2013	WAH, FC, PCR, SCR
Sandlick Creek 4.5 to 8.6	Tradewater	05140205	CHRISTIAN	5-PS	3	3	3	3	5-PS	12/2/2013	WAH, FC, PCR, SCR, OSRW
Sugar Creek 0 to 5.3	Tradewater	05140205	HOPKINS	4A-NS	4A-NS	4A-NS	3	3	3	3/1/2003	WAH, FC, PCR, SCR
Trace Branch 1.6 to 2.6	Tradewater	05140205	HOPKINS	5-NS	5-NS	3	3	3	3	1/13/2014	WAH, FC, PCR, SCR
Tradewater River 0.0 to 16.8	Tradewater	05140205	CRITTENDEN	2-FS	5-NS	3	3	3	3	3/27/2003	WAH, FC, PCR, SCR
Tradewater River 111.1 to 116.6	Tradewater	05140205	CHRISTIAN	2-FS	3	3	3	3	3	1/15/2014	WAH, FC, PCR, SCR
Tradewater River 122.9 to 134.0	Tradewater	05140205	CHRISTIAN	2-FS	3	3	3	3	2-FS	1/14/2014	WAH, FC, PCR, SCR, OSRW
Tradewater River 20.55 to 46.35	Tradewater	05140205	WEBSTER	2B(5)	2B(5)	5-NS	3	2-FS	3	1/14/2014	WAH, FC, PCR, SCR, DWS
Tradewater River 63.1 to 79.5	Tradewater	05140205	CALDWELL	5-PS	2-FS	3	3	3	3	3/1/2003	WAH, FC, PCR, SCR
Tradewater River 96.7 to 98.5	Tradewater	05140205	HOPKINS	2-FS	3	3	3	3	3	1/16/2008	WAH, FC, PCR, SCR

Waterbody & Segment	Basin	8-Digit HUC	County	WAH/CAH	PCR	SCR	FC	DWS	OSRW	Assessment Date	Designated Uses
Tradewater River 98.5 to 111.1	Tradewater	05140205	CHRISTIAN	5-PS	2-FS	2-FS	3	3	3	1/14/2014	WAH, FC, PCR, SCR
Tribune Creek 0 to 3.5	Tradewater	05140205	CRITTENDEN	5-PS	3	3	3	3	3	12/5/2013	WAH, FC, PCR, SCR
Tyson Branch 0 to 2.5	Tradewater	05140205	CALDWELL	5-NS	3	3	3	3	3	3/1/2003	WAH, FC, PCR, SCR
UT of Black Creek 0 to 2.1	Tradewater	05140205	CALDWELL	5-NS	3	3	3	3	3	12/4/2013	WAH, FC, PCR, SCR
UT of Clear Creek 0 to 2.2	Tradewater	05140205	HOPKINS	5-NS	5-NS	3	3	3	3	1/11/2008	WAH, FC, PCR, SCR
UT of Copper Creek 0 to 1.1	Tradewater	05140205	HOPKINS	5-NS	3	3	3	3	3	10/1/2007	WAH, FC, PCR, SCR
UT of Copperas Creek 0 to 0.9	Tradewater	05140205	HOPKINS	5-NS	5-NS	5-NS	3	3	3	1/11/2008	WAH, FC, PCR, SCR
UT of Craborchard Creek 0 to 1.7	Tradewater	05140205	WEBSTER	5-NS	5-NS	3	3	3	3	1/11/2008	WAH, FC, PCR, SCR
UT of Donaldson Creek 0 to 1.8	Tradewater	05140205	CALDWELL	5-PS	3	3	3	3	3	1/11/2008	WAH, FC, PCR, SCR
UT of East Fork Flynn Fork 0 to 1.4	Tradewater	05140205	CALDWELL	2-FS	3	3	3	3	3	1/29/2014	WAH, FC, PCR, SCR
UT of Hurricane Creek 0 to 0.2	Tradewater	05140205	HOPKINS	5-NS	5-NS	5-NS	3	3	3	1/11/2008	WAH, FC, PCR, SCR
UT of Lynn Fork 1.2 to 2.6	Tradewater	05140205	WEBSTER	5-NS	5-NS	3	3	3	3	1/11/2008	WAH, FC, PCR, SCR
UT of Piney Creek 0 to 2.9	Tradewater	05140205	CALDWELL	2-FS	3	3	3	3	2-FS	1/16/2008	WAH, FC, PCR, SCR, OSRW
UT of Sandlick Creek 0 to 1.4	Tradewater	05140205	CHRISTIAN	2-FS	3	3	3	3	2-FS	11/12/2002	WAH, FC, PCR, SCR, OSRW
UT of Slover Creek 0 to 1.5	Tradewater	05140205	WEBSTER	5-PS	3	3	3	3	3	1/16/2008	WAH, FC, PCR, SCR
UT of UT of Cypress Creek 0 to 0.1	Tradewater	05140205	UNION	3	5-NS	3	3	3	3	1/24/2014	WAH, FC, PCR, SCR
UT of UT of Fredricks Ditch 0 to 1.1	Tradewater	05140205	WEBSTER	5-NS	5-NS	3	3	3	3	1/11/2008	WAH, FC, PCR, SCR
UT of UT of Fredricks Ditch 0 to 1.2	Tradewater	05140205	WEBSTER	5-PS	3	3	3	3	3	1/16/2008	WAH, FC, PCR, SCR
UT of UT of Pogue Creek 0 to 1.1	Tradewater	05140205	HOPKINS	5-NS	3	3	3	3	3	1/29/2014	WAH, FC, PCR, SCR

Waterbody & Segment	Basin	8-Digit HUC	County	WAH/CAH	PCR	SCR	FC	DWS	OSRW	Assessment Date	Designated Uses
UT of UT of Slover Creek 0.2 to 1.5	Tradewater	05140205	WEBSTER	5-NS	3	3	3	3	3	3/1/2003	WAH, FC, PCR, SCR
UT of UT of Tradewater River 0 to 0.55	Tradewater	05140205	HOPKINS	5-NS	5-NS	3	3	3	3	1/16/2008	WAH, FC, PCR, SCR
UT of Weirs Creek 2.1 to 4.5	Tradewater	05140205	WEBSTER	5-NS	3	3	3	3	3	1/31/2014	WAH, FC, PCR, SCR
Vaughn Ditch 0 to 3.25	Tradewater	05140205	WEBSTER	2-FS	5-NS	2-FS	3	3	3	1/24/2014	WAH, FC, PCR, SCR, DWS
Ward Creek 5.1 to 10.3	Tradewater	05140205	CALDWELL	5-NS	3	3	3	3	3	3/19/2009	WAH, FC, PCR, SCR
Weirs Creek 0 to 4.8	Tradewater	05140205	HOPKINS	5-NS	3	3	3	3	3	3/1/2003	WAH, FC, PCR, SCR
Whiteside Creek 1.9 to 2.85	Tradewater	05140205	WEBSTER	5-NS	3	3	3	3	3	1/17/2008	WAH, FC, PCR, SCR
Wolf Creek 0 to 1.0	Tradewater	05140205	CRITTENDEN	5-NS	3	3	3	3	3	3/1/2003	WAH, FC, PCR, SCR
Backs Branch 0 to 0.9	Tygarts Creek	05090103	GREENUP	5-PS	3	3	3	3	3	11/12/2003	WAH, FC, PCR, SCR
Brushy Creek 0 to 3.9	Tygarts Creek	05090103	GREENUP	2-FS	3	3	3	3	3	1/2/2004	WAH, FC, PCR, SCR
Buffalo Creek 0 to 6.7	Tygarts Creek	05090103	CARTER	2-FS	2-FS	3	3	3	3	3/1/2008 - 1/14/2009	WAH, FC, PCR, SCR
Buffalo Creek 6.7 to 9.9	Tygarts Creek	05090103	CARTER	2-FS	3	3	3	3	3	1/14/2009	WAH, FC, PCR, SCR
Jacobs Fork 0 to 2.05	Tygarts Creek	05090103	CARTER	5-PS	3	3	3	3	3	1/21/2009	WAH, CAH, FC, PCR, SCR
Jacobs Fork 3.6 to 5.7	Tygarts Creek	05090103	CARTER	5-PS	3	3	3	3	3	11/12/2003	WAH, FC, PCR, SCR
Leatherwood Branch 0 to 4.3	Tygarts Creek	05090103	GREENUP	2-FS	3	3	3	3	3	1/21/2004	WAH, FC, PCR, SCR
McGlone Fork 0 to 4.9	Tygarts Creek	05090103	CARTER	2-FS	3	3	3	3	3	1/14/2009	WAH, FC, PCR, SCR
Schultz Creek 1.3 to 4.7	Tygarts Creek	05090103	GREENUP	2-FS	3	3	3	3	3	1/19/2009	WAH, FC, PCR, SCR
Schultz Creek 4.7 to 7.5	Tygarts Creek	05090103	GREENUP	5-PS	3	3	3	3	3	1/14/2009	WAH, FC, PCR, SCR
Smith Creek 2.0 to 4.3	Tygarts Creek	05090103	CARTER	5-PS	3	3	3	3	3	11/11/2003	WAH, FC, PCR, SCR

Waterbody & Segment	Basin	8-Digit HUC	County	WAH/CAH	PCR	SCR	FC	DWS	OSRW	Assessment Date	Designated Uses
Smoky Creek 1.4 to 4.3	Tygarts Creek	05090103	CARTER	2-FS	3	3	3	3	3	1/14/2009	WAH, FC, PCR, SCR
Smoky Valley Lake	Tygarts Creek	05090103	CARTER	2-FS	3	2-FS	3	3	3	5/29/2008	WAH, FC, PCR, SCR
Soldier Fork 0 to 5.5	Tygarts Creek	05090103	CARTER	5-PS	3	3	3	3	3	1/19/2009	WAH, FC, PCR, SCR
Three Prong Branch 0 to 5.8	Tygarts Creek	05090103	GREENUP	2-FS	3	3	3	3	3	1/21/2004	WAH, FC, PCR, SCR
Trough Camp 1.5 to 6.1	Tygarts Creek	05090103	CARTER	5-PS	3	3	3	3	3	11/11/2003	WAH, FC, PCR, SCR
Tygarts Creek 0.2 to 25.0	Tygarts Creek	05090103	GREENUP	2-FS	2-FS	3	5-NS	3	3	11/12/2008	WAH, FC, PCR, SCR
Tygarts Creek 25.0 to 36.1	Tygarts Creek	05090103	GREENUP	5-PS	2-FS	3	5-NS	3	3	1/19/2009	WAH, FC, PCR, SCR
Tygarts Creek 36.1 to 45.5	Tygarts Creek	05090103	GREENUP	2-FS	2-FS	3	5-NS	3	3	1/19/2009	WAH, FC, PCR, SCR
Tygarts Creek 64.8 to 68.3	Tygarts Creek	05090103	CARTER	2-FS	2-FS	3	3	3	3	1/19/2009	WAH, FC, PCR, SCR, DWS
Tygarts Creek 80.8 to 81.8	Tygarts Creek	05090103	CARTER	3	3	3	3	2-FS	3	1/19/2009	WAH, CAH, FC, PCR, SCR, DWS
Tygarts Creek 83.2 to 88.6	Tygarts Creek	05090103	CARTER	5-PS	3	3	2-FS	3	3	1/19/2009	WAH, CAH, FC, PCR, SCR
UT of Tygarts Creek 0 to 0.8	Tygarts Creek	05090103	CARTER	5-NS	3	3	3	3	3	1/19/2009	WAH, CAH, FC, PCR, SCR
White Oak Creek 0 to 1.1	Tygarts Creek	05090103	GREENUP	5-NS	3	3	3	3	3	4/1/1998	WAH, FC, PCR, SCR
Acorn Fork 0 to 1.9	Upper Cumberland	05130101	KNOX	5-NS	3	3	3	3	5-NS	9/18/2007	WAH, FC, PCR, SCR, OSRW
Adams Branch 0 to 1.8	Upper Cumberland	05130101	WHITLEY	2-FS	3	3	3	3	2-FS	4/1/1998	WAH, FC, PCR, SCR, OSRW
Allen Creek 0 to 4.15	Upper Cumberland	05130103	CUMBERLAND	5-NS	3	3	3	3	3	1/20/2012	WAH, FC, PCR, SCR
Alum Cave Branch 1.7 to 3.60	Upper Cumberland	05130102	JACKSON	5-NS	3	3	3	3	3	1/20/2012	WAH, FC, PCR, SCR
Archers Creek 0.0 to 3.8	Upper Cumberland	05130101	WHITLEY	2-FS	3	3	3	3	2-FS	4/1/1998	WAH, FC, PCR, SCR, OSRW
Bad Branch 0 to 3.0	Upper Cumberland	05130101	LETCHER	2-FS	3	3	3	3	2-FS	1/25/2012	CAH, FC, PCR, SCR, OSRW

Waterbody & Segment	Basin	8-Digit HUC	County	WAH/CAH	PCR	SCR	FC	DWS	OSRW	Assessment Date	Designated Uses
Bailey Creek 0 to 2.5	Upper Cumberland	05130101	HARLAN	3	4A-NS	3	3	3	3	4/1/1998	WAH, FC, PCR, SCR
Bark Camp Creek 0.1 to 3.8	Upper Cumberland	05130101	WHITLEY	5-PS	3	3	3	3	5-PS	11/8/2006	CAH, FC, PCR, SCR, OSRW
Bear Creek 0 to 2.8	Upper Cumberland	05130103	CUMBERLAND	2-FS	3	3	3	3	3	1/26/2007	WAH, FC, PCR, SCR
Bear Creek 0 to 3.3	Upper Cumberland	05130104	MCCREARY	2-FS	2-FS	2-FS	3	3	3	3/23/2012	WAH, FC, PCR, SCR
Bear Creek 0.4 to 3.1	Upper Cumberland	05130102	PULASKI	3	3	3	3	3	3		WAH, FC, PCR, SCR
Beaver Creek 16.65 to 16.95	Upper Cumberland	05130103	WAYNE	5-PS	3	3	3	3	3	1/25/2012	WAH, FC, PCR, SCR
Beaver Creek 16.95 to 34.9	Upper Cumberland	05130103	WAYNE	5-PS	3	3	3	3	3	1/25/2012	WAH, FC, PCR, SCR
Beaver Creek 2.4 to 7.2	Upper Cumberland	05130103	MCCREARY	2-FS	3	3	3	3	2-FS	1/25/2012	CAH, FC, PCR, SCR, OSRW
Becks Creek 0 to 4.0	Upper Cumberland	05130101	WHITLEY	5-PS	5-PS	5-PS	3	3	3	4/1/1998	WAH, FC, PCR, SCR
Bee Lick Creek 0 to 5.7	Upper Cumberland	05130103	PULASKI	2-FS	3	3	3	3	2-FS	9/19/2000	WAH, FC, PCR, SCR, OSRW
Bee Lick Creek 7.4 to 10.8	Upper Cumberland	05130103	LINCOLN	5-PS	3	3	3	3	3	3/22/2006	WAH, FC, PCR, SCR
Bennetts Fork 0.5 to 3.6	Upper Cumberland	05130101	BELL	5-PS	3	3	3	3	3	1/26/2007	WAH, FC, PCR, SCR
Bens Fork 0 to 2.2	Upper Cumberland	05130101	BELL	5-PS	3	3	3	3	5-PS	1/31/2007	WAH, FC, PCR, SCR, OSRW
Beulah Lake (Tyner Lake)	Upper Cumberland	05130102	JACKSON	2-FS	3	2-FS	3	2-FS	3	1/6/2012	WAH, CAH, FC, PCR, SCR, DWS
Big Branch 0.4 to 2.1	Upper Cumberland	05130101	MCCREARY	2-FS	3	3	3	3	2-FS	4/1/1998	WAH, FC, PCR, SCR, OSRW
Big Clifty Creek 0.0 to 0.9	Upper Cumberland	05130102	PULASKI	2-FS	3	3	3	3	3	1/26/2007	WAH, FC, PCR, SCR
Big Clifty Creek 1.4 to 4.8	Upper Cumberland	05130103	PULASKI	2-FS	3	3	3	3	3	1/26/2007	WAH, FC, PCR, SCR
Big Clifty Creek 4.8 to 6.8	Upper Cumberland	05130103	PULASKI	5-PS	3	3	3	3	3	1/25/2012	WAH, FC, PCR, SCR
Big Indian Creek 0 to 9.7	Upper Cumberland	05130101	KNOX	5-NS	3	3	3	3	3	9/21/2000	WAH, FC, PCR, SCR

Waterbody & Segment	Basin	8-Digit HUC	County	WAH/CAH	PCR	SCR	FC	DWS	OSRW	Assessment Date	Designated Uses
Big Lick Branch 0.4 to 2.9	Upper Cumberland	05130103	PULASKI	2-FS	3	3	3	3	2-FS	12/10/2001	WAH, FC, PCR, SCR, OSRW
Big Lily Creek 0.0 to 5.15	Upper Cumberland	05130103	RUSSELL	2-FS	3	3	2-FS	3	3	1/3/2002	WAH, FC, PCR, SCR
Big Renox Creek 0 to 5.8	Upper Cumberland	05130103	CUMBERLAND	5-PS	3	3	3	3	3	7/10/2000	WAH, FC, PCR, SCR
Big Willis Creek 0 to 4.0	Upper Cumberland	05130103	CUMBERLAND	3	3	3	3	3	3		WAH, FC, PCR, SCR
Bills Branch 2.4 to 3.7	Upper Cumberland	05130102	JACKSON	3	3	3	3	2-FS	3	1/1/2008	WAH, FC, PCR, SCR, DWS
Blacksnake Branch 0 to 2.1	Upper Cumberland	05130101	BELL	2-FS	3	3	3	3	3	12/7/2001	WAH, FC, PCR, SCR, OSRW
Blake Fork 0.0 to 4.8	Upper Cumberland	05130101	WHITLEY	2-FS	3	3	3	3	3	1/26/2007	WAH, FC, PCR, SCR
Board Branch 0.5 to 1.8	Upper Cumberland	05130101	HARLAN	5-NS	5-NS	5-NS	3	3	3	11/30/2006	WAH, FC, PCR, SCR
Breedens Creek 0.0 to 3.6	Upper Cumberland	05130101	KNOX	2-FS	3	3	3	3	2-FS	12/10/2001	WAH, FC, PCR, SCR, OSRW
Briary Creek 0 to 4.4	Upper Cumberland	05130103	PULASKI	5-PS	3	3	3	3	3	9/19/2000	WAH, FC, PCR, SCR
Brices Creek 0 to 3.2	Upper Cumberland	05130101	KNOX	2-FS	3	3	3	3	2-FS	12/10/2001	WAH, FC, PCR, SCR, OSRW
Brownies Creek 9.9 to 16.7	Upper Cumberland	05130101	BELL	2-FS	3	3	3	3	2-FS	1/25/2012	WAH, FC, PCR, SCR, OSRW
Brush Creek 0 to 3.5	Upper Cumberland	05130101	KNOX	5-NS	3	3	3	3	3	12/6/2000	WAH, FC, PCR, SCR
Brush Creek 1.1 to 7.6	Upper Cumberland	05130102	ROCKCASTLE	2-FS	4A-NS	3	3	3	2-FS	1/1/2001	WAH, FC, PCR, SCR, OSRW
Brushy Creek 0 to 8.0	Upper Cumberland	05130103	PULASKI	2-FS	3	3	3	3	2-FS	10/10/2006	WAH, FC, PCR, SCR, OSRW
Brushy Creek 8.00 to 12.55	Upper Cumberland	05130103	ROCKCASTLE	2-FS	3	3	3	3	2-FS	1/25/2012	WAH, FC, PCR, SCR, OSRW
Buck Creek 0.4 to 2.7	Upper Cumberland	05130101	WHITLEY	2-FS	3	3	3	3	2-FS	12/10/2001	WAH, FC, PCR, SCR, OSRW
Buck Creek 11.8 to 32.35	Upper Cumberland	05130103	PULASKI	2-FS	2-FS	2-FS	3	3	2-FS	1/25/2012	WAH, FC, PCR, SCR, OSRW
Buck Creek 32.35 to 40.8	Upper Cumberland	05130103	PULASKI	2-FS	3	3	3	3	2-FS	2/26/2009	WAH, FC, PCR, SCR, OSRW

Waterbody & Segment	Basin	8-Digit HUC	County	WAH/CAH	PCR	SCR	FC	DWS	OSRW	Assessment Date	Designated Uses
Buck Creek 40.8 to 45.3	Upper Cumberland	05130103	PULASKI	2-FS	3	3	3	3	2-FS	8/23/2007	WAH, FC, PCR, SCR, OSRW
Buck Creek 45.3 to 45.7	Upper Cumberland	05130103	PULASKI	2-FS	3	3	3	3	2-FS	1/25/2012	WAH, FC, PCR, SCR, OSRW
Buck Creek 45.7 to 53.1	Upper Cumberland	05130103	PULASKI	2-FS	3	3	5-PS	3	2-FS	3/22/2006	WAH, FC, PCR, SCR, OSRW
Buck Creek 53.1 to 59.1	Upper Cumberland	05130103	LINCOLN	2-FS	3	3	3	3	2-FS	3/25/2002	WAH, FC, PCR, SCR, OSRW
Bucks Branch 0 to 2.5	Upper Cumberland	05130101	WHITLEY	2-FS	2-FS	2-FS	3	3	2-FS	4/1/1998	WAH, FC, PCR, SCR, OSRW
Buffalo Creek 2.6 to 3.9	Upper Cumberland	05130101	WHITLEY	2-FS	3	3	3	3	2-FS	1/1/2001	WAH, FC, PCR, SCR, OSRW
Bull Run 0 to 3.7	Upper Cumberland	05130101	KNOX	5-PS	3	3	3	3	3	3/23/2006	WAH, FC, PCR, SCR
Bunches Creek 0 to 3.5	Upper Cumberland	05130101	WHITLEY	2-FS	3	3	3	3	2-FS	10/10/2006	CAH, FC, PCR, SCR, OSRW
Calf Pen Fork 0 to 3.8	Upper Cumberland	05130101	WHITLEY	2-FS	3	3	3	3	3	10/10/2006	WAH, CAH, FC, PCR, SCR
Campbell Branch 0 to 2.1	Upper Cumberland	05130101	WHITLEY	2-FS	3	3	3	3	2-FS	12/10/2001	WAH, FC, PCR, SCR, OSRW
Cane Branch 0 to 2.0	Upper Cumberland	05130103	MCCREARY	4A-NS	4A-NS	4A-NS	3	3	3	2/14/2006	WAH, FC, PCR, SCR
Cane Creek 0 to 1.5	Upper Cumberland	05130101	WHITLEY	2-FS	3	3	3	3	3	11/17/2001	WAH, FC, PCR, SCR
Cane Creek 0 to 11.9	Upper Cumberland	05130102	LAUREL	2-FS	3	3	3	3	2-FS	6/10/2005	WAH, FC, PCR, SCR, OSRW
Cane Creek 0 to 4.4	Upper Cumberland	05130101	WHITLEY	5-NS	3	3	3	3	3	3/22/2006	WAH, FC, PCR, SCR
Caney Creek 0 to 0.6	Upper Cumberland	05130101	BELL	2-FS	3	3	3	3	2-FS	12/10/2001	WAH, FC, PCR, SCR, OSRW
Cannon Creek 0 to 1.8	Upper Cumberland	05130101	BELL	5-PS	3	3	3	3	5-PS	1/26/2007	WAH, FC, PCR, SCR, OSRW
Cannon Creek 5.1 to 6.7	Upper Cumberland	05130101	BELL	2-FS	3	3	3	3	2-FS	11/10/2001	WAH, FC, PCR, SCR, OSRW
Cannon Creek Lake	Upper Cumberland	05130101	BELL	2-FS	3	2-FS	3	2-FS	3	1/5/2012	WAH, CAH, FC, PCR, SCR, DWS
Capuchin Creek 0.0 to 1.2	Upper Cumberland	05130101	MCCREARY	2-FS	3	3	3	3	2-FS	1/26/2007	WAH, FC, PCR, SCR, OSRW

Waterbody & Segment	Basin	8-Digit HUC	County	WAH/CAH	PCR	SCR	FC	DWS	OSRW	Assessment Date	Designated Uses
Casey Fork 0.0 to 2.1	Upper Cumberland	05130103	CUMBERLAND	2-FS	3	3	3	3	3	6/20/2000	WAH, FC, PCR, SCR
Catron Creek 0 to 8.9	Upper Cumberland	05130101	HARLAN	5-PS	4A-NS	3	3	3	3	1/25/2012	WAH, FC, PCR, SCR
Chenoa Lake	Upper Cumberland	05130101	BELL	2-FS	3	3	3	2-FS	3	1/5/2012	WAH, FC, PCR, SCR, DWS
Clear Creek 0.8 to 3.2	Upper Cumberland	05130101	BELL	2-FS	3	3	3	3	3	1/3/2002	WAH, FC, PCR, SCR
Clear Creek 3.45 to 7.8	Upper Cumberland	05130102	ROCKCASTLE	2-FS	3	3	3	3	3	1/29/2007	WAH, FC, PCR, SCR
Clear Fork 0 to 9.15	Upper Cumberland	05130101	WHITLEY	2-FS	2-FS	3	3	3	3	1/25/2012	WAH, FC, PCR, SCR
Clear Fork 17.0 to 19.5	Upper Cumberland	05130101	WHITLEY	5-PS	3	3	3	3	3	10/10/2006	WAH, FC, PCR, SCR
Clifty Creek 0 to 2.7	Upper Cumberland	05130103	PULASKI	2-FS	3	3	3	3	2-FS	5/2/2002	WAH, FC, PCR, SCR, OSRW
Clover Fork Cumberland River 0 to 8.6	Upper Cumberland	05130101	HARLAN	2-FS	4A-NS	3	3	3	3	1/26/2012	WAH, FC, PCR, SCR
Clover Fork Cumberland River 14.8 to 17.6	Upper Cumberland	05130101	HARLAN	5-PS	4A-NS	3	3	3	3	8/8/2007	WAH, FC, PCR, SCR
Clover Fork Cumberland River 17.6 to 27.6	Upper Cumberland	05130101	HARLAN	5-NS	4A-NS	3	3	3	3	4/1/1998	WAH, FC, PCR, SCR
Clover Fork Cumberland River 27.6 to 28.4	Upper Cumberland	05130101	HARLAN	5-PS	4A-NS	3	3	3	3	5/2/2002	WAH, FC, PCR, SCR
Clover Fork Cumberland River 28.4 to 33.1	Upper Cumberland	05130101	HARLAN	5-NS	4A-NS	3	3	3	3	5/2/2002	WAH, FC, PCR, SCR
Clover Fork Cumberland River 8.6 to 14.8	Upper Cumberland	05130101	HARLAN	5-NS	4A-NS	3	3	3	3	9/3/2002	WAH, FC, PCR, SCR
Cloverlick Creek 0 to 5.0	Upper Cumberland	05130101	HARLAN	5-PS	4A-NS	3	3	3	3	3/22/2006	WAH, FC, PCR, SCR
Coffey Branch 0.1 to 2.0	Upper Cumberland	05130104	MCCREARY	2-FS	3	3	3	3	3	11/19/2001	WAH, FC, PCR, SCR
Cogur Fork 0 to 7.9	Upper Cumberland	05130101	MCCREARY	2-FS	3	3	3	3	2-FS	1/25/2012	CAH, FC, PCR, SCR, OSRW
Coles Branch 0 to 2.1	Upper Cumberland	05130101	KNOX	2-FS	3	3	3	3	2-FS	4/1/1998	WAH, FC, PCR, SCR, OSRW
Colliers Creek 0 to 4.1	Upper Cumberland	05130101	LETCHER	5-PS	3	3	3	3	5-PS	1/31/2007	WAH, FC, PCR, SCR, OSRW

Waterbody & Segment	Basin	8-Digit HUC	County	WAH/CAH	PCR	SCR	FC	DWS	OSRW	Assessment Date	Designated Uses
Copperas Fork 0.0 to 3.6	Upper Cumberland	05130104	MCCREARY	4A-NS	4A-NS	4A-NS	3	3	3	2/14/2006	WAH, FC, PCR, SCR
Corbin City Reservoir	Upper Cumberland	05130101	LAUREL	5-PS	3	3	3	2-FS	3	1/5/2012	WAH, FC, PCR, SCR, DWS
Crab Orchard Creek 0 to 1.6	Upper Cumberland	05130103	LINCOLN	2-FS	3	3	3	3	3	5/2/2002	WAH, FC, PCR, SCR
Craig Creek 6.8 to 7.8	Upper Cumberland	05130101	LAUREL	5-PS	3	3	3	3	3	1/29/2007	WAH, FC, PCR, SCR
Craig Creek 7.8 to 9.0	Upper Cumberland	05130101	LAUREL	2-FS	3	3	3	3	3	11/7/2006	WAH, FC, PCR, SCR
Crane Creek 1.4 to 2.0	Upper Cumberland	05130101	HARLAN	5-PS	3	3	3	3	3	11/30/2006	WAH, FC, PCR, SCR
Cranks Creek 1.7 to 2.4	Upper Cumberland	05130101	HARLAN	5-PS	3	3	3	3	3	11/30/2006	WAH, FC, PCR, SCR
Crisillis Branch 0 to 1.9	Upper Cumberland	05130101	WHITLEY	2-FS	3	3	3	3	2-FS	12/10/2001	WAH, FC, PCR, SCR, OSRW
Crocus Creek 0 to 4.9	Upper Cumberland	05130103	CUMBERLAND	2-FS	2-FS	2-FS	3	3	3	1/26/2012	WAH, FC, PCR, SCR
Crocus Creek 14.0 to 17.15	Upper Cumberland	05130103	ADAIR	5-PS	3	3	3	3	3	7/10/2000	WAH, FC, PCR, SCR
Crocus Creek 4.9 to 14.0	Upper Cumberland	05130103	CUMBERLAND	5-PS	5-NS	5-NS	3	3	3	5/2/2002	WAH, FC, PCR, SCR
Crooked Creek 0.2 to 6.5	Upper Cumberland	05130102	ROCKCASTLE	3	4A-PS	3	3	3	3	3/29/2007	WAH, FC, PCR, SCR
Crooked Creek 6.5 to 12.2	Upper Cumberland	05130102	ROCKCASTLE	2-FS	4A-NS	3	3	3	3	4/1/1998	WAH, FC, PCR, SCR
Cumberland River 379.8 to 430.15	Upper Cumberland	05130103	MONROE	2-FS	2-FS	2-FS	3	2-FS	3	1/26/2012	CAH, FC, PCR, SCR, DWS
Cumberland River 454.6 to 456.0	Upper Cumberland	05130103	RUSSELL	3	5-PS	3	3	3	3	2/2/2007	CAH, FC, PCR, SCR, DWS
Cumberland River 456.0 to 456.7	Upper Cumberland	05130103	RUSSELL	2-FS	3	3	3	3	3	1/27/2012	CAH, FC, PCR, SCR, DWS
Cumberland River 553.4 to 560.9	Upper Cumberland	05130101	WHITLEY	2-FS	2-FS	3	2-FS	3	2-FS	1/27/2012	WAH, FC, PCR, SCR, DWS, OSRW
Cumberland River 560.9 to 566.6	Upper Cumberland	05130101	WHITLEY	5-PS	3	3	3	3	3	9/8/2007	WAH, FC, PCR, SCR
Cumberland River 581.4 to 582.4	Upper Cumberland	05130101	WHITLEY	3	3	3	3	2-FS	3	9/23/2011	WAH, FC, PCR, SCR, DWS

Waterbody & Segment	Basin	8-Digit HUC	County	WAH/CAH	PCR	SCR	FC	DWS	OSRW	Assessment Date	Designated Uses
Cumberland River 643.6 to 647.7	Upper Cumberland	05130101	BELL	3	4A-NS	3	3	3	3	8/9/2007	WAH, FC, PCR, SCR, DWS
Cumberland River 653.25 to 659.95	Upper Cumberland	05130101	BELL	2-FS	2-FS	3	3	3	3	1/17/2012 - 1/27/2012	WAH, FC, PCR, SCR
Cumberland River 668.2 to 675.8	Upper Cumberland	05130101	HARLAN	5-PS	3	3	3	3	3	10/10/2006	WAH, FC, PCR, SCR
Cumberland River 675.8 to 677.0	Upper Cumberland	05130101	HARLAN	3	3	3	3	3	3		WAH, FC, PCR, SCR
Cumberland River 677.0 to 687.3	Upper Cumberland	05130101	HARLAN	3	4A-NS	3	3	3	3	1/1/2007	WAH, FC, PCR, SCR
Dale Hollow Reservoir	Upper Cumberland	05130105	CLINTON	2-FS	3	2-FS	2-FS	3	3	1/18/2012	WAH, FC, PCR, SCR, DWS
Davis Branch 0 to 2.8	Upper Cumberland	05130101	BELL	2-FS	3	3	3	3	2-FS	12/10/2001	WAH, FC, PCR, SCR, OSRW
Difficulty Creek 0.0 to 3.6	Upper Cumberland	05130104	MCCREARY	2-FS	3	3	3	3	3	4/1/1998	WAH, FC, PCR, SCR
Dog Slaughter Creek 0 to 1.2	Upper Cumberland	05130101	WHITLEY	2-FS	3	3	3	3	2-FS	1/27/2012	CAH, FC, PCR, SCR, OSRW
Dry Branch 0 to 0.4	Upper Cumberland	05130103	PULASKI	5-PS	3	3	3	3	3	5/2/2002	WAH, FC, PCR, SCR
Dry Fork 0 to 3.0	Upper Cumberland	05130102	ROCKCASTLE	2-FS	3	3	3	3	3	8/10/2000	WAH, FC, PCR, SCR
Dudley Creek 1.7 to 3.3	Upper Cumberland	05130103	RUSSELL	2-FS	3	3	3	3	3	1/27/2012	WAH, FC, PCR, SCR
Eagle Creek 0 to 6.7	Upper Cumberland	05130101	MCCREARY	2-FS	3	3	3	3	2-FS	10/10/2006	WAH, FC, PCR, SCR, OSRW
East Fork of Lynn Camp Creek 0 to 4.5	Upper Cumberland	05130101	KNOX	5-PS	3	3	3	3	3	9/21/2000	WAH, FC, PCR, SCR
Elk Spring Creek 0 to 7.8	Upper Cumberland	05130103	WAYNE	5-NS	3	3	3	3	3	8/16/2000	WAH, FC, PCR, SCR
Ewing Creek 0.1 to 2.9	Upper Cumberland	05130101	HARLAN	5-NS	3	3	3	3	3	11/19/2001	WAH, FC, PCR, SCR
Ferris Fork Creek 0 to 1.2	Upper Cumberland	05130103	CUMBERLAND	5-NS	3	3	3	3	3	5/2/2002	WAH, FC, PCR, SCR
Ferris Fork Creek 3.0 to 6.0	Upper Cumberland	05130103	METCALFE	2-FS	3	3	3	3	3	3/22/2006	WAH, FC, PCR, SCR
Fishing Creek 16.9 to 27.9	Upper Cumberland	05130103	PULASKI	2-FS	3	3	3	3	3	1/27/2012	WAH, FC, PCR, SCR

Waterbody & Segment	Basin	8-Digit HUC	County	WAH/CAH	PCR	SCR	FC	DWS	OSRW	Assessment Date	Designated Uses
Foresters Creek 0 to 5.1	Upper Cumberland	05130101	HARLAN	2-FS	3	3	3	3	3	1/29/2007	WAH, FC, PCR, SCR
Four Mile Run 0.7 to 2.7	Upper Cumberland	05130101	BELL	2-FS	3	3	3	3	2-FS	5/2/2002	WAH, FC, PCR, SCR, OSRW
Fourmile Creek 1.7 to 4.8	Upper Cumberland	05130101	BELL	2-FS	3	3	3	3	2-FS	12/6/2001	WAH, FC, PCR, SCR, OSRW
Franks Creek 3.2 to 4.9	Upper Cumberland	05130101	LETCHER	2-FS	3	3	3	3	3	11/19/2001	WAH, FC, PCR, SCR
Fugitt Creek 0 to 4.7	Upper Cumberland	05130101	HARLAN	2-FS	3	3	3	3	2-FS	1/27/2012	CAH, FC, PCR, SCR, OSRW
Gilmore Creek 0 to 5.9	Upper Cumberland	05130103	LINCOLN	5-PS	3	3	3	3	3	8/24/2007	WAH, FC, PCR, SCR
Goodin Creek 2.1 to 2.6	Upper Cumberland	05130101	KNOX	5-PS	3	3	3	3	3	5/2/2002	WAH, FC, PCR, SCR
Grassy Branch 0 to 0.55	Upper Cumberland	05130102	JACKSON	3	5-NS	3	3	3	3	1/27/2012	WAH, FC, PCR, SCR
Greasy Creek 0 to 4.2	Upper Cumberland	05130101	BELL	3	4A-PS	3	3	3	3	12/6/2000	WAH, FC, PCR, SCR
Hale Fork 0.0 to 2.8	Upper Cumberland	05130101	KNOX	2-FS	3	3	3	3	2-FS	12/10/2001	WAH, FC, PCR, SCR, OSRW
Harris Branch 0.2 to 0.8	Upper Cumberland	05130101	HARLAN	5-PS	3	3	3	3	3	11/30/2006	WAH, FC, PCR, SCR
Harrods Fork 0 to 5.3	Upper Cumberland	05130103	CUMBERLAND	3	3	3	3	3	3		WAH, FC, PCR, SCR
Hatchell Branch 0 to 1.0	Upper Cumberland	05130101	MCCREARY	5-PS	3	3	3	3	3	11/19/2001	WAH, FC, PCR, SCR
Hawk Creek 0 to 6.6	Upper Cumberland	05130102	LAUREL	2-FS	3	3	3	3	3	2/6/2007	CAH, FC, PCR, SCR
Hays Creek 1.3 to 2.3	Upper Cumberland	05130105	CLINTON	2-FS	3	3	3	3	3	5/2/2002	WAH, FC, PCR, SCR
Hazel Patch Creek 0 to 1.8	Upper Cumberland	05130102	LAUREL	5-PS	3	3	3	3	3	2/6/2007	WAH, FC, PCR, SCR
Helton Branch 0.0 to 1.1	Upper Cumberland	05130103	MCCREARY	3	3	3	3	3	3		WAH, FC, PCR, SCR
Herb Smith Lake (Cranks Creek Lake)	Upper Cumberland	05130101	HARLAN	2-FS	3	2-FS	3	3	3	1/5/2012	WAH, FC, PCR, SCR
Hinkle Branch 0 to 1.8	Upper Cumberland	05130101	KNOX	2-FS	3	3	3	3	2-FS	12/10/2001	WAH, FC, PCR, SCR, OSRW

Waterbody & Segment	Basin	8-Digit HUC	County	WAH/CAH	PCR	SCR	FC	DWS	OSRW	Assessment Date	Designated Uses
Honeycut Branch 0 to 1.8	Upper Cumberland	05130101	KNOX	2-FS	3	3	3	3	2-FS	12/10/2001	WAH, FC, PCR, SCR, OSRW
Horse Lick Creek 0 to 12.3	Upper Cumberland	05130102	JACKSON	2-FS	5-PS	3	3	3	2-FS	10/10/2006 - 1/27/2012	WAH, FC, PCR, SCR, OSRW
Howards Creek 0.6 to 4.6	Upper Cumberland	05130105	CLINTON	2-FS	3	3	3	3	2-FS	7/31/2001	WAH, FC, PCR, SCR, OSRW
Hunting Shirt Branch 0 to 2.8	Upper Cumberland	05130101	KNOX	2-FS	3	3	3	3	2-FS	12/10/2001	WAH, FC, PCR, SCR, OSRW
Illwill Creek 10.3 to 13.8	Upper Cumberland	05130105	CLINTON	2-FS	3	3	3	3	3	2/7/2007	WAH, FC, PCR, SCR
Indian Creek 0 to 4.2	Upper Cumberland	05130103	PULASKI	5-PS	3	3	3	3	3	1/27/2012	WAH, FC, PCR, SCR
Indian Creek 0 to 4.5	Upper Cumberland	05130102	JACKSON	5-PS	3	3	3	3	3	2/7/2007	WAH, FC, PCR, SCR
Indian Creek 2.4 to 6.8	Upper Cumberland	05130101	MCCREARY	2-FS	3	3	3	3	2-FS	10/10/2006	WAH, FC, PCR, SCR, OSRW
Jackie Branch 0.0 to 1.6	Upper Cumberland	05130101	WHITLEY	2-FS	3	3	3	3	2-FS	11/19/2001	WAH, FC, PCR, SCR, OSRW
Jellico Creek 0 to 6.1	Upper Cumberland	05130101	WHITLEY	2-FS	2-FS	3	3	3	3	1/27/2012	WAH, FC, PCR, SCR
Jellico Creek 22.5 to 25.3	Upper Cumberland	05130101	MCCREARY	2-FS	3	3	3	3	2-FS	2/7/2007	WAH, FC, PCR, SCR, OSRW
Jenneys Branch 0 to 6.0	Upper Cumberland	05130101	MCCREARY	5-PS	3	3	3	3	5-PS	5/2/2002	WAH, FC, PCR, SCR, OSRW
Kennedy Creek 0 to 1.95	Upper Cumberland	05130104	WAYNE	2-FS	3	3	3	3	2-FS	12/10/2001	WAH, FC, PCR, SCR, OSRW
Kettle Creek 1.75 to 6.1	Upper Cumberland	05130103	MONROE	2-FS	3	3	3	3	3	2/16/2007	WAH, FC, PCR, SCR
Kilburn Fork 0 to 0.9	Upper Cumberland	05130101	MCCREARY	2-FS	3	3	3	3	2-FS	2/20/2007	WAH, FC, PCR, SCR, OSRW
Kilburn Fork 0.9 to 6.2	Upper Cumberland	05130101	MCCREARY	5-PS	3	3	3	3	5-PS	2/7/2007	WAH, FC, PCR, SCR, OSRW
Lake Cumberland	Upper Cumberland	05130103	RUSSELL	2-FS	3	2-FS	5-PS	2-FS	3	1/17/2012	WAH, FC, PCR, SCR, DWS
Lake Linville	Upper Cumberland	05130102	ROCKCASTLE	2-FS	3	2-FS	3	2-FS	3	1/6/2012	WAH, FC, PCR, SCR, DWS
Laurel Branch 0 to 2.2	Upper Cumberland	05130102	LAUREL	2-FS	3	3	3	3	3	2/7/2007	WAH, FC, PCR, SCR

Waterbody & Segment	Basin	8-Digit HUC	County	WAH/CAH	PCR	SCR	FC	DWS	OSRW	Assessment Date	Designated Uses
Laurel Creek 0.85 to 3.7	Upper Cumberland	05130101	MCCREARY	2-FS	3	3	3	3	2-FS	2/8/2007	CAH, FC, PCR, SCR, OSRW
Laurel Creek 3.7 to 5.2	Upper Cumberland	05130101	MCCREARY	5-PS	3	3	3	3	5-PS	2/8/2007	CAH, FC, PCR, SCR, OSRW
Laurel Creek 7.4 to 9.1	Upper Cumberland	05130101	MCCREARY	5-PS	3	3	3	3	5-PS	2/8/2007	CAH, FC, PCR, SCR, OSRW
Laurel Creek Reservoir	Upper Cumberland	05130101	MCCREARY	2-FS	3	2-FS	3	2-FS	3	1/19/2012	WAH, CAH, FC, PCR, SCR, DWS
Laurel Fork 0 to 1.3	Upper Cumberland	05130101	MCCREARY	2-FS	3	3	3	3	2-FS	8/14/2000	WAH, FC, PCR, SCR, OSRW
Laurel Fork 0 to 5.0	Upper Cumberland	05130102	JACKSON	2-FS	3	3	3	3	2-FS	10/10/2006	WAH, FC, PCR, SCR, OSRW
Laurel Fork 10.3 to 13.8	Upper Cumberland	05130101	WHITLEY	5-NS	3	3	3	3	5-NS	8/31/2000	WAH, FC, PCR, SCR, OSRW
Laurel Fork 16.9 to 18.9	Upper Cumberland	05130101	BELL	2-FS	3	3	3	3	2-FS	5/2/2002	WAH, FC, PCR, SCR, OSRW
Laurel Fork 4.25 to 10.3	Upper Cumberland	05130101	WHITLEY	5-PS	3	3	3	3	5-PS	2/26/2009	WAH, FC, PCR, SCR, OSRW
Laurel River 1.0 to 2.3	Upper Cumberland	05130101	LAUREL	5-NS	3	3	3	3	3	11/7/2006	CAH, FC, PCR, SCR
Laurel River 23.9 to 25.1	Upper Cumberland	05130101	LAUREL	5-PS	3	3	3	3	3	11/7/2005	WAH, FC, PCR, SCR
Laurel River 26.35 to 33.95	Upper Cumberland	05130101	LAUREL	5-NS	4A-NS	3	3	3	3	1/27/2012	WAH, FC, PCR, SCR
Laurel River 33.95 to 44.7	Upper Cumberland	05130101	LAUREL	5-PS	3	3	3	3	3	1/27/2012	WAH, FC, PCR, SCR
Laurel River Reservoir	Upper Cumberland	05130101	WHITLEY	2-FS	3	2-FS	2-FS	2-FS	3	1/19/2012	WAH, FC, PCR, SCR, DWS
Leatherwood Creek 0 to 4.0	Upper Cumberland	05130103	CUMBERLAND	2-FS	3	3	3	3	3	1/30/2012	WAH, FC, PCR, SCR
Left Fork of Fugitt Creek 0 to 1.5	Upper Cumberland	05130101	HARLAN	2-FS	3	3	3	3	2-FS	1/30/2012	CAH, FC, PCR, SCR, OSRW
Left Fork Straight Creek 0 to 13.1	Upper Cumberland	05130101	BELL	5-NS	4A-NS	2-FS	3	3	3	2/20/2007	WAH, FC, PCR, SCR
Lewis Branch 0 to 1.55	Upper Cumberland	05130102	JACKSON	2-FS	3	3	3	3	3	1/30/2012	WAH, FC, PCR, SCR
Lewis Creek 0.0 to 3.6	Upper Cumberland	05130103	CUMBERLAND	5-PS	3	3	3	3	3	2/9/2007	WAH, FC, PCR, SCR

Waterbody & Segment	Basin	8-Digit HUC	County	WAH/CAH	PCR	SCR	FC	DWS	OSRW	Assessment Date	Designated Uses
Lick Creek 0.00 to 3.7	Upper Cumberland	05130101	LAUREL	3	4A-NS	3	3	3	3	1/30/2012	WAH, FC, PCR, SCR
Lick Fork 0 to 1.3	Upper Cumberland	05130101	HARLAN	5-PS	3	3	3	3	3	2/9/2007	CAH, FC, PCR, SCR
Lick Fork of Yellow Creek 0 to 2.9	Upper Cumberland	05130101	BELL	2-FS	3	3	3	3	2-FS	5/2/2002	WAH, FC, PCR, SCR, OSRW
Line Creek 2.3 to 5.5	Upper Cumberland	05130102	PULASKI	5-PS	3	3	3	3	3	3/23/2006	WAH, FC, PCR, SCR
Little Clear Creek 0 to 10.9	Upper Cumberland	05130101	BELL	5-NS	2-FS	2-FS	3	3	3	1/31/2007	WAH, FC, PCR, SCR
Little Hurricane Fork 0.0 to 4.4	Upper Cumberland	05130103	MCCREARY	2-FS	3	3	3	3	3	5/2/2002	WAH, FC, PCR, SCR
Little Laurel River 0 to 8.4	Upper Cumberland	05130101	LAUREL	5-PS	4A-PS	3	3	3	3	1/30/2012	WAH, FC, PCR, SCR
Little Laurel River 12.7 to 14.7	Upper Cumberland	05130101	LAUREL	5-NS	4A-PS	3	3	3	3	5/2/2002	WAH, FC, PCR, SCR
Little Laurel River 14.7 to 23.0	Upper Cumberland	05130101	LAUREL	3	4A-NS	3	3	3	3	1/30/2012	WAH, FC, PCR, SCR
Little Laurel River 8.4 to 12.7	Upper Cumberland	05130101	LAUREL	5-NS	4A-NS	3	3	3	3	1/30/2012	WAH, FC, PCR, SCR
Little Poplar Creek 0 to 2.8	Upper Cumberland	05130101	KNOX	5-PS	3	3	3	3	5-PS	8/23/2000	WAH, FC, PCR, SCR, OSRW
Little Poplar Creek 3.1 to 4.4	Upper Cumberland	05130101	KNOX	5-PS	3	3	3	3	3	8/23/2000	WAH, FC, PCR, SCR
Little Raccoon Creek 0 to 7.7	Upper Cumberland	05130102	LAUREL	5-NS	5-NS	5-NS	3	3	3	11/4/2007	WAH, FC, PCR, SCR
Little Rockcastle River 0 to 2.3	Upper Cumberland	05130102	LAUREL	2-FS	3	3	3	3	3	1/3/2002	WAH, FC, PCR, SCR
Little South Fork 0.0 to 4.0	Upper Cumberland	05130104	MCCREARY	5-PS	3	3	3	3	3	4/1/1998	WAH, FC, PCR, SCR
Little South Fork 4.0 to 35.5	Upper Cumberland	05130104	WAYNE	2-FS	3	3	2-FS	3	2-FS	10/10/2006	WAH, FC, PCR, SCR, OSRW
Little White Oak Creek 0 to 2.6	Upper Cumberland	05130102	LAUREL	2-FS	3	3	3	3	3	2/27/2009	WAH, FC, PCR, SCR
Long Branch 0.0 to 3.0	Upper Cumberland	05130101	BELL	2-FS	3	3	3	3	2-FS	12/11/2001	WAH, FC, PCR, SCR, OSRW
Looney Creek 0 to 5.9	Upper Cumberland	05130101	HARLAN	3	4A-NS	3	3	3	3	5/2/2002	WAH, FC, PCR, SCR

Waterbody & Segment	Basin	8-Digit HUC	County	WAH/CAH	PCR	SCR	FC	DWS	OSRW	Assessment Date	Designated Uses
Looney Creek 5.9 to 8.9	Upper Cumberland	05130101	HARLAN	2-FS	3	3	3	3	3	5/1/2008	CAH, FC, PCR, SCR
Lynn Camp Creek 0.4 to 4.3	Upper Cumberland	05130101	WHITLEY	5-NS	5-NS	3	3	3	3	5/2/2002 - 11/7/2006	WAH, FC, PCR, SCR
Lynn Camp Creek 4.3 to 10.3	Upper Cumberland	05130101	KNOX	5-PS	3	3	3	3	3	9/8/2000	WAH, FC, PCR, SCR
Marrowbone Creek 0 to 2.8	Upper Cumberland	05130103	CUMBERLAND	5-PS	5-PS	3	3	3	3	1/30/2012	WAH, FC, PCR, SCR
Marrowbone Creek 13.4 to 15.1	Upper Cumberland	05130103	CUMBERLAND	2-FS	3	3	3	3	3	6/20/2000	WAH, FC, PCR, SCR
Marrowbone Creek 3.8 to 8.8	Upper Cumberland	05130103	CUMBERLAND	2-FS	3	3	3	3	3	2/12/2006	WAH, FC, PCR, SCR
Marsh Creek 0 to 13.5	Upper Cumberland	05130101	MCCREARY	2-FS	2-FS	3	3	3	2-FS	1/30/2012	WAH, FC, PCR, SCR, OSRW
Marsh Creek 13.5 to 16.5	Upper Cumberland	05130101	MCCREARY	5-NS	3	3	3	3	5-NS	5/2/2002	WAH, FC, PCR, SCR, OSRW
Marsh Creek 19.0 to 24.1	Upper Cumberland	05130101	MCCREARY	5-NS	3	3	3	3	5-NS	4/1/1998	WAH, FC, PCR, SCR, OSRW
Martin Creek 0 to 1.2	Upper Cumberland	05130102	CLAY	2-FS	3	3	3	3	3	8/16/2000	WAH, FC, PCR, SCR
Martins Fork 0 to 10.2	Upper Cumberland	05130101	HARLAN	2-FS	2-FS	2-FS	3	3	3	1/30/2012	WAH, FC, PCR, SCR
Martins Fork 10.2 to 15.85	Upper Cumberland	05130101	HARLAN	5-NS	3	3	3	2-FS	3	1/30/2012 - 1/31/2012	WAH, FC, PCR, SCR, DWS
Martins Fork Cumberland River 17.7 to 27.3	Upper Cumberland	05130101	HARLAN	2-FS	5-NS	2-FS	3	3	2-FS	11/30/2006	WAH, FC, PCR, SCR, OSRW
Martins Fork Cumberland River 27.3 to 37.2	Upper Cumberland	05130101	HARLAN	2-FS	3	3	3	3	2-FS	10/10/2006	CAH, FC, PCR, SCR, OSRW
Martin's Fork Reservoir	Upper Cumberland	05130101	HARLAN	2-FS	3	2-FS	2-FS	2-FS	3	1/20/2012	WAH, FC, PCR, SCR, DWS
McCammon Branch 0 to 2.8	Upper Cumberland	05130102	JACKSON	2-FS	3	3	3	3	3	5/2/2002	WAH, FC, PCR, SCR
McFarland Creek 0.8 to 3.9	Upper Cumberland	05130103	MONROE	2-FS	3	3	3	3	2-FS	2/26/2009	WAH, FC, PCR, SCR, OSRW
McFarland Creek 5.65 to 6.2	Upper Cumberland	05130103	MONROE	2-FS	3	3	3	3	2-FS	2/26/2009	WAH, FC, PCR, SCR, OSRW
Meadow Creek 0 to 7.4	Upper Cumberland	05130101	WHITLEY	5-PS	3	3	3	3	3	9/6/2000	WAH, FC, PCR, SCR

Waterbody & Segment	Basin	8-Digit HUC	County	WAH/CAH	PCR	SCR	FC	DWS	OSRW	Assessment Date	Designated Uses
Meadow Fork 0 to 1.8	Upper Cumberland	05130101	LETCHER	2-FS	3	3	3	3	2-FS	12/3/2001	WAH, FC, PCR, SCR, OSRW
Meshack Creek 0 to 2.8	Upper Cumberland	05130103	MONROE	2-FS	3	3	3	3	2-FS	7/6/2000	WAH, FC, PCR, SCR, OSRW
Middle Fork 0.0 to 2.2	Upper Cumberland	05130103	MCCREARY	5-PS	5-NS	5-NS	3	3	5-PS	2/12/2007	CAH, FC, PCR, SCR, OSRW
Middle Fork of Richland Creek 0 to 1.2	Upper Cumberland	05130101	KNOX	5-PS	3	3	3	3	3	9/21/2000	WAH, FC, PCR, SCR
Middle Fork of Rockcastle River 0 to 7.9	Upper Cumberland	05130102	JACKSON	2-FS	2-FS	3	3	3	2-FS	1/30/2012	WAH, FC, PCR, SCR, OSRW
Mill Branch 0 to 2.2	Upper Cumberland	05130101	KNOX	2-FS	3	3	3	3	2-FS	8/14/2007	WAH, FC, PCR, SCR, OSRW
Mill Creek 0 to 3.4	Upper Cumberland	05130101	BELL	2-FS	3	3	3	3	2-FS	12/6/2001	WAH, FC, PCR, SCR, OSRW
Mill Creek 0.8 to 5.7	Upper Cumberland	05130101	MCCREARY	2-FS	3	3	3	3	2-FS	12/6/2001	WAH, FC, PCR, SCR, OSRW
Mitchell Creek 0 to 3.8	Upper Cumberland	05130102	LAUREL	5-NS	3	3	3	3	3	2/26/2009	WAH, FC, PCR, SCR
Moore Branch 0 to 0.7	Upper Cumberland	05130101	BELL	5-PS	5-NS	5-NS	3	3	3	5/2/2002 - 2/13/2007	WAH, FC, PCR, SCR
Moore Creek 0 to 4.4	Upper Cumberland	05130101	KNOX	2-FS	3	3	3	3	2-FS	12/11/2001	WAH, FC, PCR, SCR, OSRW
Mud Camp Creek 0 to 8.8	Upper Cumberland	05130103	MONROE	2-FS	3	3	3	3	2-FS	2/8/2007	WAH, FC, PCR, SCR, OSRW
Mud Creek 0 to 5.2	Upper Cumberland	05130101	WHITLEY	5-PS	3	3	3	3	5-PS	8/30/2000	WAH, FC, PCR, SCR, OSRW
Mud Lick 0 to 2.3	Upper Cumberland	05130101	KNOX	2-FS	3	3	3	3	2-FS	12/6/2001	WAH, FC, PCR, SCR, OSRW
Ned Branch 0.2 to 2.0	Upper Cumberland	05130102	LAUREL	2-FS	3	3	3	3	2-FS	12/6/2001	WAH, FC, PCR, SCR, OSRW
North Fork of Dogslaughter Creek 0 to 0.7	Upper Cumberland	05130101	WHITLEY	2-FS	3	3	3	3	2-FS	7/31/2001	WAH, FC, PCR, SCR, OSRW
Otter Creek 14.0 to 22.0	Upper Cumberland	05130103	WAYNE	2-FS	3	3	3	3	2-FS	1/30/2012	WAH, FC, PCR, SCR, OSRW
Patterson Creek 0 to 5.3	Upper Cumberland	05130101	WHITLEY	2-FS	3	3	3	3	3	9/6/2000	WAH, FC, PCR, SCR
Patterson Creek 5.3 to 9.3	Upper Cumberland	05130101	WHITLEY	2-FS	3	3	3	3	2-FS	12/11/2001	WAH, FC, PCR, SCR, OSRW

Waterbody & Segment	Basin	8-Digit HUC	County	WAH/CAH	PCR	SCR	FC	DWS	OSRW	Assessment Date	Designated Uses
Peter Cave Branch 0.0 to 1.6	Upper Cumberland	05130102	JACKSON	2-FS	3	3	3	3	3	5/2/2002	WAH, FC, PCR, SCR
Pilot Creek 0.7 to 2.5	Upper Cumberland	05130103	LINCOLN	2-FS	3	3	3	3	3	5/2/2002	WAH, FC, PCR, SCR
Pine Creek 0 to 5.1	Upper Cumberland	05130102	LAUREL	2-FS	3	3	3	3	3	1/30/2012	WAH, FC, PCR, SCR
Pitman Creek 26.15 to 27.2	Upper Cumberland	05130103	PULASKI	2-FS	3	3	3	3	3	1/31/2012	WAH, FC, PCR, SCR
Pitman Creek 5.4 to 6.0	Upper Cumberland	05130103	PULASKI	2-FS	5-PS	3	3	3	3	1/30/2012	WAH, FC, PCR, SCR
Pitman Creek 6.05 to 26.15	Upper Cumberland	05130103	PULASKI	2-FS	2-FS	3	3	3	3	1/30/2012	WAH, FC, PCR, SCR
Pointer Creek 0.2 to 3.9	Upper Cumberland	05130103	PULASKI	2-FS	3	3	3	3	3	9/20/2000	WAH, FC, PCR, SCR
Pond Creek 0 to 6.3	Upper Cumberland	05130102	JACKSON	5-PS	3	3	3	3	3	2/14/2007	WAH, FC, PCR, SCR
Poor Fork Cumberland River 0 to 14.9	Upper Cumberland	05130101	HARLAN	2-FS	2-FS	3	3	2-FS	3	1/31/2012	WAH, FC, PCR, SCR, DWS
Poor Fork Cumberland River 14.9 to 16.3	Upper Cumberland	05130101	HARLAN	5-PS	4A-NS	3	2-FS	3	3	1/31/2012	WAH, FC, PCR, SCR
Poor Fork Cumberland River 16.3 to 31.8	Upper Cumberland	05130101	HARLAN	2-FS	4A-NS	3	2-FS	2-FS	3	1/31/2007 - 1/31/2012	WAH, FC, PCR, SCR, DWS
Poor Fork Cumberland River 41.4 to 51.7	Upper Cumberland	05130101	LETCHER	2-FS	3	3	3	3	2-FS	1/31/2012	CAH, FC, PCR, SCR, OSRW
Poplar Creek 4.7 to 5.85	Upper Cumberland	05130101	WHITLEY	5-NS	5-NS	3	3	3	3	9/27/2011	WAH, FC, PCR, SCR
Powder Mill Creek 0 to 4.9	Upper Cumberland	05130102	LAUREL	5-PS	3	3	3	3	3	2/26/2009	WAH, FC, PCR, SCR
Powers Branch 0 to 1.4	Upper Cumberland	05130101	KNOX	2-FS	3	3	3	3	3	1/31/2012	WAH, FC, PCR, SCR
Presley House Branch 0 to 1.5	Upper Cumberland	05130101	LETCHER	2-FS	3	3	3	3	2-FS	10/10/2007	WAH, FC, PCR, SCR, OSRW
Puckett Creek 0 to 9.9	Upper Cumberland	05130101	BELL	2-FS	4A-NS	3	3	3	3	8/15/2006	WAH, FC, PCR, SCR
Puncheoncamp Branch 0 to 1.8	Upper Cumberland	05130104	MCCREARY	2-FS	3	3	3	3	3	11/19/2001	WAH, FC, PCR, SCR
Raccoon Creek 0 to 2.3	Upper Cumberland	05130102	JACKSON	5-PS	3	3	3	3	3	1/31/2012	WAH, FC, PCR, SCR

Waterbody & Segment	Basin	8-Digit HUC	County	WAH/CAH	PCR	SCR	FC	DWS	OSRW	Assessment Date	Designated Uses
Raccoon Creek 0 to 2.7	Upper Cumberland	05130102	LAUREL	5-PS	3	3	3	3	3	8/15/2000	WAH, FC, PCR, SCR
Raleigh Fork 0 to 1.1	Upper Cumberland	05130101	LETCHER	5-PS	3	3	3	3	5-PS	1/31/2007	WAH, FC, PCR, SCR, OSRW
Renfro Creek 0 to 3.1	Upper Cumberland	05130102	ROCKCASTLE	5-PS	3	3	3	3	3	3/2/2009	WAH, FC, PCR, SCR
Richland Creek 0 to 6.3	Upper Cumberland	05130101	KNOX	5-NS	4A-NS	3	3	3	3	1/31/2012	WAH, FC, PCR, SCR
Richland Creek 11.6 to 21.4	Upper Cumberland	05130101	KNOX	2-FS	4A-NS	3	3	3	2-FS	8/15/2007	WAH, FC, PCR, SCR, OSRW
Richland Creek 6.3 to 11.6	Upper Cumberland	05130101	KNOX	3	4A-NS	3	3	3	3	4/12/2012	WAH, FC, PCR, SCR
Roaring Fork 0 to 3.6	Upper Cumberland	05130101	KNOX	2-FS	3	3	3	3	2-FS	3/22/2006	WAH, FC, PCR, SCR, OSRW
Roaring Paunch Creek 0.0 to 7.7	Upper Cumberland	05130104	MCCREARY	2-FS	2-FS	2-FS	3	3	3	2/14/2007	WAH, FC, PCR, SCR
Roaring Paunch Creek 7.7 to 15.6	Upper Cumberland	05130104	MCCREARY	5-NS	5-NS	5-NS	3	3	3	2/14/2007	WAH, FC, PCR, SCR
Robinson Creek 6.7 to 9.6	Upper Cumberland	05130101	LAUREL	2-FS	3	3	3	3	3	1/3/2002	WAH, FC, PCR, SCR
Rock Creek 0 to 5.8	Upper Cumberland	05130101	MCCREARY	2-FS	3	3	3	3	2-FS	5/2/2002	WAH, FC, PCR, SCR, OSRW
Rock Creek 0.0 to 4.0	Upper Cumberland	05130104	MCCREARY	5-NS	2-FS	2-FS	3	3	3	2/14/2006	WAH, FC, PCR, SCR
Rock Creek 16.6 to 21.6	Upper Cumberland	05130104	MCCREARY	2-FS	3	3	5-PS	3	2-FS	1/1/2007	CAH, FC, PCR, SCR, OSRW
Rock Creek 4.0 to 15.4	Upper Cumberland	05130104	MCCREARY	2-FS	3	3	3	3	2-FS	2/15/2007	CAH, FC, PCR, SCR, OSRW
Rock Lick Creek 0 to 8.8	Upper Cumberland	05130103	PULASKI	2-FS	3	3	3	3	3	9/20/2000	WAH, FC, PCR, SCR
Rockcastle River 17.2 to 32.0	Upper Cumberland	05130102	LAUREL	2-FS	2-FS	3	3	3	2-FS	1/31/2012	WAH, FC, PCR, SCR, OSRW
Rockcastle River 40.4 to 52.9	Upper Cumberland	05130102	ROCKCASTLE	2-FS	3	3	3	3	2-FS	1/3/2002	WAH, FC, PCR, SCR, OSRW
Ross Branch 0 to 1.5	Upper Cumberland	05130101	WHITLEY	2-FS	3	3	3	3	2-FS	12/12/2001	WAH, FC, PCR, SCR, OSRW
Roundstone Creek 0 to 10.9	Upper Cumberland	05130102	ROCKCASTLE	2-FS	5-PS	3	3	3	3	2/1/2012	WAH, FC, PCR, SCR

Waterbody & Segment	Basin	8-Digit HUC	County	WAH/CAH	PCR	SCR	FC	DWS	OSRW	Assessment Date	Designated Uses
Roundstone Creek 17.0 to 23.8	Upper Cumberland	05130102	ROCKCASTLE	5-NS	3	3	3	3	5-NS	3/22/2006	WAH, FC, PCR, SCR, OSRW
Ryans Creek 0 to 5.7	Upper Cumberland	05130101	MCCREARY	4A-NS	4A-NS	4A-NS	3	3	4A-NS	2/14/2006	WAH, FC, PCR, SCR, OSRW
Sallys Branch 0 to 2.9	Upper Cumberland	05130101	LAUREL	3	4A-NS	3	3	3	3	2/8/2012	WAH, FC, PCR, SCR
Salt Lick Creek 1.1 to 3.6	Upper Cumberland	05130103	RUSSELL	2-FS	3	3	3	3	3	3/22/2007	WAH, FC, PCR, SCR
Sam Branch 0 to 0.5	Upper Cumberland	05130103	PULASKI	5-PS	3	3	3	3	3	5/2/2002	WAH, FC, PCR, SCR
Sampson Branch 0 to 4.7	Upper Cumberland	05130101	LAUREL	3	4A-NS	3	3	3	3	2/9/2012	WAH, FC, PCR, SCR
Sand Lick Creek 0 to 1.5	Upper Cumberland	05130103	CUMBERLAND	2-FS	3	3	3	3	3	2/9/2012	WAH, FC, PCR, SCR
Sanders Creek 0 to 5.3	Upper Cumberland	05130101	WHITLEY	2-FS	3	3	3	3	2-FS	12/6/2001	WAH, FC, PCR, SCR, OSRW
Shillalah Creek 0 to 5.5	Upper Cumberland	05130101	BELL	2-FS	3	3	3	3	2-FS	7/5/2001	CAH, FC, PCR, SCR, OSRW
Shut-in Branch 0 to 1.1	Upper Cumberland	05130101	MCCREARY	2-FS	3	3	3	3	2-FS	12/6/2001	WAH, FC, PCR, SCR, OSRW
Sims Fork 0 to 5.2	Upper Cumberland	05130101	BELL	5-NS	3	3	3	3	5-NS	12/6/2001	WAH, FC, PCR, SCR, OSRW
Sinking Creek 0 to 1.9	Upper Cumberland	05130103	PULASKI	2-FS	3	3	3	3	3	5/2/2002	WAH, FC, PCR, SCR
Sinking Creek 0 to 9.95	Upper Cumberland	05130102	LAUREL	2-FS	3	3	3	3	2-FS	3/2/2009	WAH, FC, PCR, SCR, OSRW
Sinking Creek 13.35 to 17.65	Upper Cumberland	05130102	LAUREL	5-NS	3	3	3	3	5-NS	3/2/2009	WAH, FC, PCR, SCR, OSRW
Sinking Creek 9.95 to 13.35	Upper Cumberland	05130102	LAUREL	2-FS	3	3	3	3	2-FS	5/2/2002	WAH, FC, PCR, SCR, OSRW
Skegg Creek 0 to 3.3	Upper Cumberland	05130102	ROCKCASTLE	5-PS	3	3	3	3	3	2/15/2001	WAH, FC, PCR, SCR
Skegg Creek 3.3 to 11.1	Upper Cumberland	05130102	ROCKCASTLE	2-FS	3	3	3	3	3	8/21/2007	WAH, FC, PCR, SCR
Smith Creek 0 to 2.2	Upper Cumberland	05130105	CLINTON	2-FS	3	3	3	3	3	3/2/2009	WAH, FC, PCR, SCR
Smith Creek 0 to 3.3	Upper Cumberland	05130101	LETCHER	2-FS	3	3	3	3	2-FS	12/6/2001	WAH, FC, PCR, SCR, OSRW

Waterbody & Segment	Basin	8-Digit HUC	County	WAH/CAH	PCR	SCR	FC	DWS	OSRW	Assessment Date	Designated Uses
South Fork Cumberland River 43.8 to 49.5	Upper Cumberland	05130104	MCCREARY	2-FS	2-FS	3	2-FS	3	2-FS	2/1/2012	WAH, FC, PCR, SCR, OSRW
South Fork Cumberland River 49.5 to 54.8	Upper Cumberland	05130104	MCCREARY	2-FS	3	3	3	3	2-FS	2/1/2012	WAH, FC, PCR, SCR, OSRW
South Fork of Colliers Creek 0 to 1.9	Upper Cumberland	05130101	LETCHER	5-PS	3	3	3	3	3	1/3/2007	WAH, FC, PCR, SCR
South Fork of Dog Slaughter Creek 0 to 4.6	Upper Cumberland	05130101	WHITLEY	2-FS	3	3	3	3	2-FS	7/5/2001	WAH, FC, PCR, SCR, OSRW
South Fork of Rockcastle River 2.0 to 5.8	Upper Cumberland	05130102	JACKSON	2-FS	2-FS	3	3	3	2-FS	2/9/2012	WAH, FC, PCR, SCR, OSRW
South Fork of Rockcastle River 21.2 to 29.1	Upper Cumberland	05130102	LAUREL	5-NS	3	3	3	3	3	8/21/2007	WAH, FC, PCR, SCR
Spring Creek 2.1 to 3.8	Upper Cumberland	05130105	CLINTON	2-FS	3	3	3	3	3	2/16/2007	WAH, FC, PCR, SCR
Spring Creek 3.8 to 7.4	Upper Cumberland	05130105	CLINTON	2-FS	3	3	3	3	3	7/5/2001	WAH, FC, PCR, SCR
Stevenson Branch 0.0 to 2.0	Upper Cumberland	05130101	BELL	5-NS	3	3	3	3	5-NS	12/4/2007	WAH, FC, PCR, SCR, OSRW
Stinking Creek 0 to 2.1	Upper Cumberland	05130101	KNOX	5-NS	5-NS	5-NS	3	3	3	1/3/2001	WAH, FC, PCR, SCR
Stinking Creek 11.3 to 17.6	Upper Cumberland	05130101	KNOX	5-PS	3	3	3	3	3	6/14/2005	WAH, FC, PCR, SCR
Stinking Creek 17.6 to 18.8	Upper Cumberland	05130101	KNOX	2-FS	3	3	3	3	3	9/18/2007	WAH, FC, PCR, SCR
Stoney Fork 0 to 2.3	Upper Cumberland	05130101	BELL	5-NS	3	3	3	3	3	12/6/2000	WAH, FC, PCR, SCR
Stony Fork 0.0 to 5.4	Upper Cumberland	05130101	BELL	5-NS	3	3	3	3	3	12/6/2000	WAH, FC, PCR, SCR
Straight Creek 0 to 1.7	Upper Cumberland	05130101	BELL	2-FS	4A-NS	3	3	3	3	2/9/2012	WAH, FC, PCR, SCR
Straight Creek 1.7 to 23.3	Upper Cumberland	05130101	BELL	5-PS	2-FS	3	3	3	3	2/16/2007	WAH, FC, PCR, SCR
Sugar Camp Branch 0 to 1.4	Upper Cumberland	05130102	PULASKI	5-NS	5-NS	5-NS	3	3	3	3/22/2006	WAH, FC, PCR, SCR
Sulphur Creek 0.5 to 2.8	Upper Cumberland	05130103	MONROE	2-FS	3	3	3	3	3	11/1/2001	WAH, FC, PCR, SCR
Sulphur Creek 1.7 to 5.2	Upper Cumberland	05130105	CLINTON	2-FS	3	3	3	3	2-FS	2/9/2012	WAH, FC, PCR, SCR, OSRW

Waterbody & Segment	Basin	8-Digit HUC	County	WAH/CAH	PCR	SCR	FC	DWS	OSRW	Assessment Date	Designated Uses
Sulphur Creek 5.3 to 8.3	Upper Cumberland	05130105	CUMBERLAND	2-FS	3	3	3	3	3	3/22/2006	WAH, FC, PCR, SCR
Trace Branch 0 to 3.0	Upper Cumberland	05130101	KNOX	2-FS	3	3	3	3	2-FS	4/1/1998	WAH, FC, PCR, SCR, OSRW
Trammel Fork 0 to 1.9	Upper Cumberland	05130101	MCCREARY	2-FS	3	3	3	3	2-FS	12/12/2001	WAH, FC, PCR, SCR, OSRW
Turkey Creek 0 to 1.2	Upper Cumberland	05130101	KNOX	2-FS	3	3	3	3	2-FS	12/7/2001	WAH, FC, PCR, SCR, OSRW
UT Crooked Creek 0 to 0.4	Upper Cumberland	05130102	ROCKCASTLE	3	5-PS	3	3	3	3	4/30/2014	WAH, FC, PCR, SCR
UT of Acorn Fork 0 to 0.2	Upper Cumberland	05130101	KNOX	5-NS	3	3	3	3	5-NS	9/18/2007	WAH, FC, PCR, SCR, OSRW
UT of Acorn Fork 0 to 0.25	Upper Cumberland	05130101	KNOX	5-NS	3	3	3	3	5-NS	9/18/2007	WAH, FC, PCR, SCR, OSRW
UT of Big Clifty Creek 0 to 0.5	Upper Cumberland	05130103	PULASKI	3	5-PS	3	3	3	3	5/2/2002	WAH, FC, PCR, SCR
UT of Big Creek 0 to 1.8	Upper Cumberland	05130104	MCCREARY	2-FS	3	3	3	3	3	3/26/2006	WAH, FC, PCR, SCR
UT of Cane Creek 0 to 1.2	Upper Cumberland	05130102	LAUREL	2-FS	3	3	3	3	2-FS	2/9/2012	WAH, FC, PCR, SCR, OSRW
UT of Caney Fork 0 to 0.6	Upper Cumberland	05130103	RUSSELL	3	3	3	3	3	3		WAH, FC, PCR, SCR
UT of Cumberland River 0 to 1.95	Upper Cumberland	05130103	CUMBERLAND	5-PS	3	3	3	3	3	2/9/2012	WAH, FC, PCR, SCR
UT of Helton Branch 0 to 0.4	Upper Cumberland	05130101	KNOX	5-PS	3	3	3	3	3	3/23/2006	WAH, FC, PCR, SCR
UT of Jenneys Branch 0 to 1.3	Upper Cumberland	05130101	MCCREARY	5-NS	3	3	3	3	5-NS	11/19/2001	WAH, FC, PCR, SCR, OSRW
UT of Little Laurel River 0 to 1.4	Upper Cumberland	05130101	LAUREL	5-NS	4A-NS	3	3	3	3	2/10/2012	WAH, FC, PCR, SCR
UT of Pond Creek 0 to 0.2	Upper Cumberland	05130102	JACKSON	5-PS	3	3	3	3	3	5/2/2002	WAH, FC, PCR, SCR
UT of Pond Creek 0 to 0.2	Upper Cumberland	05130102	JACKSON	5-PS	5-PS	3	3	3	3	5/2/2002	WAH, FC, PCR, SCR
UT of Powder Mill Creek 0 to 1.1	Upper Cumberland	05130102	LAUREL	5-PS	3	3	3	3	3	2/9/2012	WAH, FC, PCR, SCR
UT of Rock Creek 0 to 1.2	Upper Cumberland	05130104	MCCREARY	2-FS	3	3	3	3	2-FS	5/2/2002	WAH, FC, PCR, SCR, OSRW

Waterbody & Segment	Basin	8-Digit HUC	County	WAH/CAH	PCR	SCR	FC	DWS	OSRW	Assessment Date	Designated Uses
UT of Rock Creek 0 to 1.3	Upper Cumberland	05130104	MCCREARY	2-FS	3	3	3	3	3	11/19/2001	WAH, FC, PCR, SCR
UT of Rock Creek 0 to 1.9	Upper Cumberland	05130104	MCCREARY	2-FS	3	3	3	3	2-FS	11/17/2001	WAH, FC, PCR, SCR, OSRW
UT of Smith Creek 0 to 1.6	Upper Cumberland	05130105	CLINTON	5-PS	3	3	3	3	3	2/9/2012	WAH, FC, PCR, SCR
UT of Sulphur Creek 0 to 2.1	Upper Cumberland	05130105	CLINTON	2-FS	3	3	3	3	3	2/10/2012	WAH, FC, PCR, SCR
UT of UT of Acorn Fork 0 to 0.55	Upper Cumberland	05130101	KNOX	5-NS	3	3	3	3	5-NS	9/18/2007	WAH, FC, PCR, SCR, OSRW
UT of UT of Little Laurel River 0 to 0.1	Upper Cumberland	05130101	LAUREL	3	5-NS	3	3	3	3	2/9/2012	WAH, FC, PCR, SCR
Wallins Creek 0 to 4.2	Upper Cumberland	05130101	HARLAN	5-NS	3	3	3	3	3	2/19/2007	WAH, FC, PCR, SCR
Watts Branch 0 to 2.6	Upper Cumberland	05130104	MCCREARY	2-FS	3	3	3	3	2-FS	11/19/2001	WAH, FC, PCR, SCR, OSRW
Watts Creek 0.0 to 1.4	Upper Cumberland	05130101	WHITLEY	2-FS	3	3	3	3	3	2/15/2002	WAH, FC, PCR, SCR
Watts Creek 2.4 to 4.4	Upper Cumberland	05130101	HARLAN	2-FS	3	3	3	3	2-FS	12/4/2001	WAH, FC, PCR, SCR, OSRW
White Oak Creek 0 to 1.0	Upper Cumberland	05130102	LAUREL	5-NS	3	3	3	3	3	6/1/2002	WAH, FC, PCR, SCR
White Oak Creek 0 to 4.2	Upper Cumberland	05130104	MCCREARY	5-NS	2-FS	2-FS	3	3	5-NS	2/9/2006	WAH, FC, PCR, SCR, OSRW
White Oak Creek 1.0 to 2.1	Upper Cumberland	05130102	ROCKCASTLE	2-FS	3	3	3	3	3	5/2/2002	WAH, FC, PCR, SCR
White Oak Creek 1.0 to 5.7	Upper Cumberland	05130102	LAUREL	2-FS	3	3	3	3	3	3/2/2009	CAH, FC, PCR, SCR
White Oak Creek 7.2 to 11.3	Upper Cumberland	05130103	PULASKI	5-PS	3	3	3	3	3	2/19/2007	WAH, FC, PCR, SCR
Whitley Branch 0 to 1.0	Upper Cumberland	05130101	LAUREL	3	4A-PS	3	3	3	3	2/10/2012	WAH, FC, PCR, SCR
Whitley Branch 1.0 to 2.3	Upper Cumberland	05130101	LAUREL	3	4A-NS	3	3	3	3	4/1/1998	WAH, FC, PCR, SCR
Wildcat Branch 0 to 2.5	Upper Cumberland	05130103	PULASKI	4A-NS	4A-NS	4A-NS	3	3	3	2/14/2006	WAH, FC, PCR, SCR
Wolf Creek 0 to 2.0	Upper Cumberland	05130101	WHITLEY	5-NS	3	3	3	3	5-NS	8/22/2000	WAH, FC, PCR, SCR, OSRW

Waterbody & Segment	Basin	8-Digit HUC	County	WAH/CAH	PCR	SCR	FC	DWS	OSRW	Assessment Date	Designated Uses
Wood Creek 0 to 1.95	Upper Cumberland	05130102	LAUREL	5-NS	3	3	3	3	3	2/19/2007	CAH, FC, PCR, SCR
Wood Creek Lake	Upper Cumberland	05130102	LAUREL	2-FS	3	2-FS	3	2-FS	3	1/19/2012	WAH, CAH, FC, PCR, SCR, DWS
Yellow Creek 0 to 6.65	Upper Cumberland	05130101	BELL	2-FS	5-NS	3	3	3	3	2/10/2012	WAH, FC, PCR, SCR
Yellow Creek 6.65 to 15.8	Upper Cumberland	05130101	BELL	2-FS	3	3	3	3	3	8/16/2007	WAH, FC, PCR, SCR
Yellow Creek ByPass 0 to 3.2	Upper Cumberland	05130101	BELL	2-FS	3	3	3	3	3	3/29/2007	WAH, FC, PCR, SCR
Yocum Creek 0 to 6.5	Upper Cumberland	05130101	HARLAN	3	4A-NS	3	3	3	3	8/16/2007	WAH, FC, PCR, SCR
Youngs Creek 0 to 5.4	Upper Cumberland	05130101	WHITLEY	2-FS	3	3	3	3	2-FS	8/21/2000	WAH, FC, PCR, SCR, OSRW

Appendix B

**Size of surface waters assigned to reporting categories
for Kentucky. Corrected 2012 state-wide results**

Size of surface waters assigned to reporting categories for Kentucky¹. Corrected 2012 statewide results.

<u>Water Body</u>	<u>Category</u>									<u>Total</u>
	<u>1</u>	<u>2</u>	<u>2B²</u>	<u>3²</u>	<u>4A</u>	<u>4B</u>	<u>4C</u>	<u>5</u>	<u>5B³</u>	<u>Miles / Segments</u>
RIVER (MILES)	4.10	3,922.05	171.10	159.90	687.28	0.00	35.10	6,479.05	109.20	11,236.78 / 2,279
FRESHWATER RESERVOIR (ACRES)	53,890.00	77,242.45	8,714.00	109.00	0.00	0.00	190.00	87,828.10	0.00	219,150.55/121
SPRING (MILES)	0.00	0.75	0.00	0.00	0.00	0.00	0.00	11.15	0.01	11.90/18
FRESHWATER LAKE (ACRES)	0.00	254.00	0.00	0.00	0.00	0.00	0.00	63.00	0.00	317.00/4
POND (ACRES)	0.00	3.30	0.00	0.00	0.00	0.00	0.00	1.50	0.00	4.80/2
FRESHWATER WETLANDS (ACRES)	0.00	0.00	0.00	324,000.00	0.00	0.00	0.00	0.00	0.00	0.00

¹Refer to Table 3.2-1 for a definition of each reporting category.

²"Total in State" sum does not include miles in this category or subcategory as these miles occur in other categories, or were not assessed.

³Category 5B miles represent assessment of evaluated results based only on discharge monitoring reports; therefore, none require a TMDL.