401 KAR 10:030. Antidegradation policy implementation methodology.

RELATES TO: KRS 146.200 - 146.360, 146.410 - 146.535, 146.550 - 146.570, 146.600 - 146.619, 146.990, 176.430, 224.1-010, 224.1-400, 224.16-050, 224.16-070, 224.70-100 - 224.70-140, 224.71-100 - 224.71-145, 224.73-100 - 224.73-120, 30 U.S.C. 1201 -1328

STATUTORY AUTHORITY: KRS 146.220, 146.241, 146.270, 146.410, 146.450, 146.460, 146.465, 224.10-100, 224.16-050, 224.16-060, 224.70-100, 224.70-110, 40 C.F.R. 130, 131, 16 U.S.C. 1271 - 1287, 1531 - 1544, 33 U.S.C. 1311, 1313, 1314, 1315, 1316, 1341, 1342, 1344

CERTIFICATION STATEMENT:

NECESSITY, FUNCTION, AND CONFORMITY: KRS 224.10-100 requires the cabinet to develop and conduct a comprehensive program for the management of water resources and to provide for the prevention, abatement, and control of all water pollution. KRS 224.70-100 authorizes the policy of the commonwealth to conserve its waters for legitimate uses, safeguard from pollution the uncontaminated waters of the commonwealth, prevent the creation of any new pollution in the waters of the commonwealth, and abate any existing pollution. This administrative regulation and 401 KAR 10:001, 10:026, 10:029, and 10:031 establish procedures to protect the surface waters of the Commonwealth, and thus protect water resources. This administrative regulation establishes a methodology to implement the antidegradation policy contained in 401 KAR 10:029 by establishing procedures to control water pollution in waters affected by that policy.

Section 1. Categorization and Implementation. The antidegradation procedures established in this administrative regulation shall not preempt the power or authority of a local government to provide by ordinance for a higher level of protection through antidegradation implementation for a discharger located within that local government's jurisdiction to a surface water of the commonwealth. The procedures established in this section shall govern implementation of the antidegradation policy of 401 KAR 10:029, Section 1, for a point source discharge. Surface waters shall be placed into one (1) of four (4) categories listed in this section and each category shall have a corresponding implementation procedure.

(1) Outstanding national resource water. Surface waters of the commonwealth categorized as outstanding national resource waters are listed in Table 1 of this subsection.

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| Table 1 SURFACE WATERS CATEGORIZED AS OUTSTANDING NATIONAL RESOURCE WATER (ONRW) |
| Waterbody and Receiving Water | Boundary Description | Latitude, Longitude (Downstream/ Upstream; Decimal Degrees) | County |
| Big South Fork Cumberland River of Lake Cumberland (Cumberland River) | Wild River Boundary at Blue Heron to Tennessee State Line | 36.66769, -84.54570/ 36.59880, -84.60518 | McCreary |
| Marsh Creek of Cumberland River | Mouth to Laurel Creek | 36.77776, -84.34903/ 36.73182, -84.37118 | McCreary |
| Marsh Creek of Cumberland River\* | Laurel Creek to Ford Crossing at CR-1060 East Kidd School Road and CR-1110 Kidd School Road | 36.73182, -84.37118/ 36.69964, -84.34471 | McCreary |
| Red River of Kentucky River | School House Branch to KY-746 | 37.84422, -83.67583/ 37.79871, -83.48947 | Menifee, Powell, Wolfe |
| Reelfoot Lake | Surface Waters Within the National Wildlife Refuge Proclamation Boundary in Kentucky | Not Applicable | Fulton |
| Rock Creek of Big South Fork Cumberland River\* | CR-1236 Rock Creek Road to Tennessee State Line | 36.70306, -84.59619/ 36.60241, -84.73999 | McCreary |
| Rockcastle River of Lake Cumberland | Lower End of The Narrows (0.25 River Miles Upstream of Cane Creek) to KY-1956 Billows Road | 37.03017, -84.30832/ 37.17136, -84.29679 | Laurel, Pulaski, Rockcastle |
| Underground River System | Within Mammoth Cave National Park | Not Applicable | Edmonson, Hart, Barren |
| War Fork of Station Camp Creek | Basin Including all Tributaries from Mouth to to Steer Fork | 37.53264, -83.90929/ 37.45467, -83.92699 | Jackson |
| \*Waterbodies in the cabinet's reference reach network. |

(a) Categorization criteria. A surface water shall be categorized as an outstanding national resource water if:

1. The surface water meets, at a minimum, the requirements for an outstanding state resource water as provided in 401 KAR 10:031, Section 8; and

2. The surface water demonstrates national ecological or recreational significance.

(b) Implementation procedure.

1. Water quality shall be maintained and protected in an outstanding national resource water.

2. A new discharger or expanded discharge that may result in permanent or long-term changes in water quality shall be prohibited.

3. The cabinet may approve temporary or short-term changes in water quality if the changes to the outstanding national resource water do not have a demonstrable impact on the ability of the water to support the designated uses.

(2) Exceptional water. Surface waters of the commonwealth categorized as an exceptional water are listed in Table 2 of this subsection.

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| Table 2 SURFACE WATERS CATEGORIZED AS EXCEPTIONAL WATER |
| Waterbody and Receiving Water | Boundary Description | Latitude, Longitude (Downstream/ Upstream; Decimal Degrees) | County |
| BIG SANDY RIVER BASIN |
| Hobbs Fork of Pigeonroost Fork\* | Mouth to Headwaters | 37.70738, -82.43272/ Headwaters | Martin |
| Lower Pigeon Branch of Elkhorn Creek\* | Left Fork Lower Pigeon Branch to Headwaters | 37.24194, -82.48681/ Headwaters | Pike |
| Russell Fork of Levisa Fork\* | Upstream End of Clinchfield Railroad Yard (0.6 RM Upstream of Big Island Branch) to Virginia State Line | 37.29283, -82.32741/ 37.29579, -82.31462 | Pike |
| Thompson Fork of Souders Branch\* | Mouth to Headwaters | 37.68474, -82.66775/ Headwaters | Floyd |
| Toms Branch of Elkhorn Creek\* | Mouth to Headwaters | 37.26119, -82.45249/ Headwaters | Pike |
| Unnamed Tributary of Hobbs Fork of Pigeonroost Fork\* | Mouth to Headwaters | 37.68319, -82.40511/ Headwaters | Martin |
| Unnamed Tributary of Open Fork Paint Creek of Paintsville Lake (Paint Creek) | Mouth to Headwaters | 37.97373, -83.05614/ Headwaters | Morgan |
| GREEN RIVER BASIN |
| Beaverdam Creek of Green River\* | Mouth to Headwaters | 37.19637, -86.27598/ Headwaters | Edmonson |
| Big Brush Creek of Green River | Brush Creek to Poplar Grove Branch | 37.38472, -85.59302/ 37.42787, -85.57944 | Green |
| Brushy Pond Creek of Caney Creek | Above Pond to Headwaters | 37.40290, -86.59473/ Headwaters | Butler, Grayson |
| Cane Run of Nolin River Lake (Nolin River)\* | Nolin River Lake Backwaters to Headwaters | 37.33240, -86.07132/ Headwaters | Hart |
| Caney Fork of Peter Creek\* | Mouth to Headwaters | 36.84608, -85.97090/ Headwaters | Barren |
| Clifty Creek of Rough River\* | Barton Run to Western Kentucky Parkway | 37.54800, -86.23505/ 37.51366, -86.15115 | Grayson |
| Clifty Creek of Wolf Lick Creek\* | Little Clifty Creek to Sulphur Lick | 36.99759, -87.05518/ 36.98189, -87.12934 | Todd |
| Dismal Creek of Nolin River | Mouth to Headwaters | 37.27478, -86.24986/ Headwaters | Edmonson |
| East Fork Little Barren River of Little Barren River\* | Leatherwood Creek to Flat Rock Creek | 37.00149, -85.52277/ 36.98390, -85.52892 | Metcalfe |
| Elk Lick Creek of Wolf Lick Creek\* | Duck Lick Creek to Barren Fork and Edger Creek | 36.96003, -86.98838/ 36.91651, -86.97280 | Logan |
| Ellis Fork of Damron Creek\* | Mouth to Headwaters | 37.15744, -85.06621/ Headwaters | Adair, Russell |
| Falling Timber Creek of Skaggs Creek\* | Land Use Change (0.1 River Miles Upstream of Taylor Branch) to Headwaters | 36.93680, -85.74424/ Headwaters | Metcalfe |
| Fiddlers Creek of North Fork Rough River\* | Mouth to Headwaters | 37.70782, -86.34660/ Headwaters | Breckinridge |
| Forbes Creek of Buck Creek\* | Mouth to Unnamed Tributary (0.3 River Miles Downstream of CR-1021 Owen West Road) | 36.98832, -87.32847/ 36.95495, -87.34872 | Christian |
| Gasper River of Barren River\* | Clear Fork Creek to Wiggington Creek | 36.98618, -86.63216/ 36.91698, -86.74175 | Logan, Warren |
| Goose Creek of Green River\* | Mouth to Little Goose Creek | 37.20311, -85.01074/ 37.11575, -84.99617 | Casey, Russell |
| Green River of Ohio River | Western Mammoth Cave National Park Boundary to to Lynn Camp Creek | 37.21698, -86.26334/ 37.31974, -85.71529 | Edmonson, Hart |
| Halls Creek of Rough River\* | Unnamed Tributary (0.2 River Miles Upstream of CR-1131 Halls Creek Road) to Headwaters | 37.49338, -86.76189/ Headwaters | Ohio |
| Lick Creek of West Fork Drakes Creek\* | Mouth to Headwaters | 36.80165, -86.49463/ Headwaters | Simpson |
| Linders Creek of Rough River\* | Mouth to Sutzer Creek | 37.63677, -86.20180/ 37.63368, -86.14513 | Hardin |
| Little Beaverdam Creek of Green River\* | Mouth to KY-743 Boiling Springs Road | 37.17474, -86.34748/ 37.09866, -86.31160 | Edmonson, Warren |
| Little Meeting Creek of Meeting Creek | Mouth to Loss of Riparian Buffer (near Unnamed Tributary) | 37.58031, -86.22664/ 37.59732, -86.21150 | Hardin |
| Little Short Creek of Rough River\* | Mouth to Headwaters | 37.55200, -86.57632/ Headwaters | Grayson |
| Lynn Camp Creek of Green River\* | Mouth to Lindy Creek | 37.31994, -85.71503/ 37.39027, -85.70372 | Hart |
| McFarland Creek of West Fork Pond River\* | Grays Branch to Unnamed Tributary | 37.13299, -87.38653/ 37.11248, -87.40630 | Christian |
| Meeting Creek of Rough River\* | Little Meeting Creek to Petty Branch | 37.58021, -86.22663/ 37.56328, -86.15925 | Grayson, Hardin |
| Muddy Creek of Rough River\* | Land Use Change (1.2 River Miles Upstream of CR-1125 Mt Pleasant Road) to Headwaters | 37.42276, -86.73440/ Headwaters | Ohio |
| North Fork Rough River of Rough River Lake\* | Buffalo Creek to Reservoir Dam | 37.70023, -86.38206/ 37.71212, -86.32604 | Breckinridge |
| Nosey Creek of Nolin River | Mouth to Dry Run | 37.45730, -86.06752/ 37.46694, -86.08128 | Grayson |
| Peter Creek of Barren River\* | Caney Fork to Dry Fork | 36.84608, -85.97090/ 36.80042, -85.90772 | Barren |
| Pond Run of Rough River\* | Land Use Change (0.2 River Miles Downstream of CR-1503 White Road ) to Headwaters | 37.57381, -86.60506/ Headwaters | Breckinridge, Ohio |
| Puncheon Creek of Figure Eight Branch | Mouth to Tennessee State Line | 36.67503, -85.99483/ 36.62953, -86.00534 | Allen |
| Rough River of Green River\* | Linders Creek to Vertrees Creek | 37.63677, -86.20180/ 37.69001, -86.13664 | Hardin |
| Russell Creek of Green River\* | Mouth to Columbia Waste Water Treatment Plant | 37.22938, -85.51040/ 37.10942, -85.30532 | Adair, Green |
| Russell Creek of Green River\* | Reynolds Creek to Hudson Creek and Mount Olive Creek | 37.04137, -85.18825/ 37.09160, -85.10334 | Adair, Russell |
| Sixes Creek of Wild Branch\* | Mouth to Headwaters | 37.34154, -86.69993/ Headwaters | Ohio |
| Sulphur Branch of Alexander Creek\* | Mouth to Headwaters | 37.12892, -86.26930/ Headwaters | Edmonson |
| Thompson Branch of West Fork Drakes Creek\* | Webb Branch to Tennessee State Line | 36.65809, -86.49862/ 36.65202, -86.47973 | Simpson |
| Trammel Creek of Drakes Creek\* | Mouth to Tennessee State Line | 36.87579, -86.37443/ 36.63973, -86.19775 | Allen, Warren |
| Unnamed Tributary of Big Run Branch of Big Run Branch | Mouth to Loss of Riparian Buffer and Unnamed Tributary from the South West | 37.50894, -86.33964/ 37.48244, -86.32314 | Grayson |
| Unnamed Tributary of Green River of Ohio River\* | Mouth to Headwaters. | 37.19160, -85.12732/ Headwaters | Adair |
| Unnamed Tributary of White Oak Creek of Green River Lake\* | CR-1073 Hovious Ridge Road to KY-76 Elkhorn Road | 37.23736, -85.22392/ 37.26178, -85.19616 | Adair |
| West Fork Pond River of Pond River\* | Unnamed Tributary (0.8 River Miles Downstream of CR-1078 J P Grace Road) to East Branch Pond River | 37.09098, -87.36698/ 37.03070, -87.40602 | Christian |
| KENTUCKY RIVER BASIN |
| Backbone Creek of Sixmile Creek\* | Mouth to Scrabble Creek | 38.33978, -84.99690/ 38.32025, -84.99355 | Franklin, Henry, Shelby |
| Bear Branch of North Fork Kentucky River | Upstream of Sediment Pond to Headwaters | 37.13248, -83.10152/ Headwaters | Perry |
| Big Double Creek of Red Bird River\* | Mouth to Left and Right Fork Big Double Creek | 37.14045, -83.58768/ 37.09053, -83.60245 | Clay |
| Bill Branch of Laurel Fork\* | Mouth to Right and Left Fork Bill Branch | 36.93025, -83.30921/ 36.93249, -83.30578 | Harlan |
| Bill Oak Branch of Laurel Fork | Mouth to Headwaters | 37.33478, -83.56541/ Headwaters | Owsley |
| Billey Fork of Millers Creek | Land Use Change (1.0 River Mile Upstream of Wodward Creek) to Headwaters | 37.67957, -83.79653/ Headwaters | Estill, Lee |
| Boyd Run of North Elkhorn Creek | Mouth to Cherry Run | 38.21316, -84.48529/ 38.21731, -84.47430 | Scott |
| Buffalo Creek of South Fork Kentucky River\* | Mouth to Right Fork and Left Fork Buffalo Creek | 37.35051, -83.65233/ 37.35163, -83.63576 | Owsley |
| Bullskin Creek of South Fork Kentucky River | Mouth to Headwaters | 37.27322, -83.64441/ Headwaters | Clay, Leslie |
| Camp Branch of Spass Creek | Mouth to Headwaters | 37.88067, -83.70589/ Headwaters | Menifee |
| Cavanaugh Creek of South Fork Station Camp Creek\* | Mouth to Headwaters | 37.55370, -83.94222/ Headwaters | Jackson |
| Chester Creek of Middle Fork Red River\* | Mouth to Headwaters | 37.72746, -83.65906/ Headwaters | Wolfe |
| Clear Creek of Kentucky River\* | Mouth to East Fork Clear Creek | 37.93654, -84.79613/ 37.92667, -84.72576 | Woodford |
| Clemons Fork of Buckhorn Creek\* | Mouth to Headwaters | 37.45511, -83.16582/ Headwaters | Breathitt |
| Coles Fork of Buckhorn Creek \* | Mouth to Headwaters | 37.45720, -83.13468/ Headwaters | Breathitt, Knott |
| Craig Creek of Kentucky River\* | Mouth to Unnamed Tributary | 37.97902, -84.82058/ 37.98133, -84.78474 | Woodford |
| Deep Ford Branch of Cutshin Creek | Upstream of Pond to Headwaters | 37.19085, -83.34793/ Headwaters | Leslie |
| Drennon Creek of Kentucky River\* | Fivemile Creek to Town Creek | 38.46577, -85.09825/ 38.43094, -85.11912 | Henry |
| East Fork Indian Creek of Indian Creek\* | Mouth to Headwaters | 37.86030, -83.67480/ Headwaters | Menifee |
| Elisha Creek of Red Bird River\* | Land Use Change (0.4 River Miles Downstream of Left Fork Elisha Creek) to Right and Big Middle Fork Elisha Creek | 37.08454, -83.53407/ 37.08165, -83.51802 | Leslie |
| Emily Run of Drennon Creek | Mouth to Unnamed Tributary (0.5 River Miles Downstream of CR-1010 New Cut Road) | 38.50114, -85.07706/ 38.51135, -85.12727 | Henry |
| Evans Fork of Billey Fork\* | Mouth to Headwaters | 37.69659, -83.77567/ Headwaters | Estill |
| Falling Rock Branch of Clemons Fork\* | Mouth to Headwaters | 37.47650, -83.14005/ Headwaters | Breathitt |
| Gilbert Creek of Kentucky River | Mouth to Unnamed Tributary (at Milepost 7.06 KY-513 Gilberts Creek Road) | 37.97571, -84.85305/ 37.97570, -84.85305 | Anderson |
| Gladie Creek of Red River\* | Land Use Change (Downstream of Sargent Branch) to Long Branch | 37.83977, -83.60773/ 37.86994, -83.53192 | Menifee |
| Goose Creek of Red Bird River | Mouth to Laurel Creek | 37.26982, -83.64347/ 37.21607, -83.71750 | Clay |
| Grier Creek of Kentucky River\* | Kentucky River Backwaters to Unnamed Tributary | 38.02224, -84.82900/ 38.01901, -84.78975 | Woodford |
| Grindstone Creek of Kentucky River\* | Kentucky River Backwaters to Pond | 38.27095, -84.87841/ 38.25169, -84.86151 | Franklin |
| Hardwick Creek of Red River | Mouth to Little Hardwick Creek | 37.83287, -83.92629/ 37.80637, -83.91057 | Powell |
| Hell for Certain Creek of Middle Fork Kentucky River | Mouth to Cucumber Branch | 37.25900, -83.38193/ 37.21916, -83.44410 | Leslie |
| Hines Creek of Kentucky River\* | Kentucky River Backwaters to Unnamed Tributary | 37.87669, -84.37216/ 37.87346, -84.35034 | Madison |
| Honey Branch of Greasy Creek | Mouth to Headwaters | 37.01785, -83.35630/ Headwaters | Leslie |
| Hopper Cave Branch of Cavenaugh Creek\* | Mouth to Headwaters | 37.54046, -83.96364/ Headwaters | Jackson |
| Indian Creek of Eagle Creek\* | Mouth to Headwaters | 38.64460, -84.97133/ Headwaters | Carroll |
| Indian Fork of Sixmile Creek\* | Mouth to Headwaters | 38.30060, -85.04584/ Headwaters | Shelby |
| John Carpenter Fork of Clemons Fork\* | Mouth to Headwaters | 37.48191, -83.13306/ Headwaters | Breathitt |
| John Littles Branch of North Fork Kentucky River | Mouth to Headwaters | 37.44138, -83.36137/ Headwaters | Breathitt |
| Joyce Fork of Cortland Fork\* | Mouth to Headwaters | 37.35043, -83.55770/ Headwaters | Owsley |
| Katies Creek of Red Bird River | Mouth to Headwaters | 37.03516, -83.54001/ Headwaters | Clay |
| Laurel Fork of Left Fork Buffalo Creek\* | Cortland Fork to Big Branch | 37.34758, -83.56464/ 37.32795, -83.56754 | Owsley |
| Left Fork Big Double Creek of Big Double Creek\* | Mouth to Headwaters | 37.09053, -83.60245/ Headwaters | Clay |
| Line Fork of North Fork Kentucky River\* | Defeated Creek to Headwaters | 37.05325, -82.98858/ Headwaters | Letcher |
| Little Middle Fork Elisha Creek of Big Middle Fork Elisha Creek\* | Mouth to Headwaters | 37.08174, -83.51566/ Headwaters | Leslie |
| Little Millseat Branch of Clemons Fork\* | Mouth to Headwaters | 37.47206, -83.14624/ Headwaters | Breathitt |
| Little Negro Creek of Negro Creek | Mouth to Unnamed Tributary | 37.39375, -84.41432/ 37.36326, -84.42477 | Rockcastle |
| Little Sixmile Creek of Sixmile Creek\* | Mouth to Headwaters | 38.38438, -85.00254/ Headwaters | Henry |
| Little Sturgeon Creek of Sturgeon Creek | Mouth to Headwaters | 37.47837, -83.81345/ Headwaters | Owsley |
| Low Gap Branch of Elk Creek\* | Mouth to Headwaters | 37.15340, -82.98357/ Headwaters | Letcher |
| Lower Devil Creek of North Fork Kentucky River | Mouth to Middle Fork Lower Devil Creek | 37.64419, -83.60972/ 37.68891, -83.60403 | Lee, Wolfe |
| Lower Howard Creek of Kentucky River | Mouth to West Fork Lower Howard Creek | 37.91807, -84.27256/ 37.93369, -84.26952 | Clark |
| Lulbegrud Creek of Red River | Mouth to Falls Branch | 37.83781, -84.00193/ 37.88288, -83.99603 | Clark, Powell |
| Middle Fork Kentucky River of North Fork Kentucky River | Mouth to Upper Twin Creek | 37.58669, -83.67003/ 37.54597, -83.56307 | Lee, Breathitt |
| Middle Fork Kentucky River of North Fork Kentucky River\* | Hurts Creek to Greasy Creek | 37.15444, -83.37052/ 37.07658, -83.39234 | Leslie |
| Middle Fork Red River of Red River | South Fork Red River to Natural Bridge State Park Lake | 37.82360, -83.75245/ 37.77769, -83.67745 | Powell |
| Mike Branch of Laurel Fork | Mouth to Headwaters | 37.33908, -83.56338/ Headwaters | Owsley |
| Mill Creek of Kentucky River\* | 0.05 River Miles Upstream of PS-1306 Perry Park Road to Headwaters | 38.54565, -84.99933/ Headwaters | Owen |
| Millseat Branch of Clemons Fork\* | Mouth to Headwaters | 37.47440, -83.14367/ Headwaters | Breathitt |
| Muddy Creek of Kentucky River\* | 0.1 River Mile Upstream of KY-52 Irvine Road to Viny Fork | 37.74039, -84.15691/ 37.70998, -84.18205 | Madison |
| Musselman Creek of Eagle Creek\* | Mouth to Headwaters | 38.56845, -84.67732/ Headwaters | Grant |
| Red Bird River of South Fork Kentucky River | Mouth to Big Creek | 37.26973, -83.64341/ 37.16648, -83.58233 | Clay |
| Right Fork Beehive Branch of Beehive Branch | Residential Area to Headwaters | 37.06172, -83.10148/ Headwaters | Perry |
| Right Fork Buffalo Creek of Buffalo Creek\* | Mouth to Headwaters | 37.35163, -83.63575/ Headwaters | Owsley |
| Right Fork Elisha Creek of Elisha Creek | Mouth to Headwaters | 37.08165, -83.51802/ Headwaters | Leslie |
| Roaring Fork of Lewis Fork\* | Mouth to Headwaters | 37.46327, -83.17081/ Headwaters | Breathitt |
| Rock Lick Creek of South Fork Station Camp Creek\* | Mouth to Headwaters | 37.539508, -84.010769/ Headwaters | Jackson |
| Sand Ripple Creek of Kentucky River\* | Kentucky River Backwaters to Headwaters | 38.37772, -84.89991/ Headwaters | Franklin, Henry |
| Severn Creek of Kentucky River\* | Kentucky River Backwaters to North Fork Severn Creek | 38.46397, -84.91060/ 38.46646, -84.89242 | Owen |
| Shaker Creek of Kentucky River | Kentucky River Backwaters to Shawnee Run | 37.84717, -84.76738/ 37.84378, -84.76810 | Mercer |
| Shelly Rock Fork of Millseat Branch\* | Mouth to Headwaters | 37.48162, -83.15038/ Headwaters | Breathitt |
| Sixmile Creek of Kentucky River\* | Little Sixmile Creek to Cedarmore Lake Dam | 38.38448, -85.00261/ 38.32816, -85.01600 | Henry, Shelby |
| South Fork Kentucky River of Kentucky River | Mouth to Sexton Creek | 37.56996, -83.71085/ 37.35900, -83.68198 | Lee, Owsley |
| South Fork Red River of Middle Fork Kentucky River | Mouth to Sand Lick Fork | 37.82360, -83.75245/ 37.78067, -83.73355 | Powell |
| South Fork Station Camp Creek of Station Camp Creek\* | Mouth to Rock Lick Creek | 37.53286, -83.90931/ 37.55370, -83.94222 | Jackson |
| Spring Creek of Red Bird River | Mouth to Little Spring Creek | 37.06192, -83.54144/ 37.05562, -83.56302 | Clay |
| Spruce Branch of Red Bird Creek\* | Mouth to Headwaters | 36.95696, -83.53108/ Headwaters | Clay |
| Station Camp Creek of Kentucky River\* | Land Use Change (1.25 River Miles Upstream of Sparks Branch) to South Fork Station Camp Creek | 37.58261, -83.92802/ 37.53287, -83.90929 | Estill |
| Steeles Run of South Elkhorn Creek | Mouth to Unnamed Tributary (0.1 River Miles Upstream of PV-3002 Miss Alleged Drive ) | 38.11099, -84.62871/ 38.06735, -84.59554 | Fayette, Woodford |
| Steer Fork of War Fork\* | Mouth to Headwaters | 37.45466, -83.92700/ Headwaters | Jackson |
| Sturgeon Creek of Kentucky River\* | Duck Fork to Little Sturgeon Creek | 37.53576, -83.78177/ 37.47850, -83.81356 | Lee, Owsley |
| Sugar Creek of Red Bird River\* | Land Use Change (at End of CR-1119 Sugar Creek Road) to Headwaters | 37.11885, -83.55208/ Headwaters | Clay, Leslie |
| Sulphur Lick Creek of Elkhorn Creek\* | Mouth to Headwaters | 38.28765, -84.80211/ Headwaters | Franklin |
| Unnamed Tributary of Cawood Branch of Beech Fork\* | Mouth to Headwaters | 36.93676, -83.37278/ Headwaters | Leslie |
| Unnamed Tributary of Cedar Creek of Kentucky River\* | Mouth to Headwaters | 38.37196, -84.79664/ Headwaters | Owen |
| Unnamed Tributary of Glenns Creek of Kentucky River\* | Mouth to Headwaters | 38.14826, -84.83651/ Headwaters | Woodford |
| Unnamed Tributary of Jacks Creek of Kentucky River\* | Mouth to Headwaters | 37.85200, -84.36529/ Headwaters | Madison |
| Unnamed Tributary of Kentucky River of Ohio River\* | Mouth to Land Use Change | 38.21913, -84.87712/ 38.23174, -84.86242 | Franklin |
| Unnamed Tributary of Line Fork of North Fork Kentucky River\* | Mouth to Headwaters | 37.07769, -82.99241/ Headwaters | Letcher |
| War Fork of Station Camp Creek\* | Steer Fork to Headwaters | 37.45467, -83.92699/ Headwaters | Jackson |
| Watches Fork of Laurel Fork | Mouth to Headwaters | 37.34456, -83.56203/ Headwaters | Owsley |
| Wild Dog Creek of Sturgeon Creek | Mouth to Dry Fork | 37.48729, -83.82329/ 37.48235, -83.82972 | Owsley |
| Wolfpen Creek of Red River\* | Mouth to Headwaters | 37.82549, -83.63094/ Headwaters | Menifee |
| LICKING RIVER BASIN |
| Blackwater Creek of Licking River\* | Eaton Creek to Greasy Fork | 37.94073, -83.41328/ 37.87922, -83.43981 | Morgan |
| Blanket Creek of Licking River | Mouth to Unnamed Tributary | 38.65560, -84.28532/ 38.64266, -84.29929 | Pendleton |
| Botts Fork of Brushy Fork\* | Mouth to Land Use Change | 37.94933, -83.50601/ 37.93022, -83.53288 | Menifee |
| Bowman Creek of Licking River | Mouth to Unnamed Tributary at CR-1135 Martin Road | 38.89246, -84.44237/ 38.89404, -84.50217 | Kenton |
| Brushy Fork of Beaver Creek\* | Cave Run Lake Backwaters to Headwaters | 37.98439, -83.50523/ Headwaters | Menifee |
| Brushy Fork of Middle Fork Grassy Creek\* | Mouth to Headwaters | 38.70106, -84.44697/ Headwaters | Pendleton |
| Bucket Branch of North Fork Licking River\* | Mouth to Headwaters | 38.05169, -83.31594/ Headwaters | Morgan |
| Cedar Creek of Licking River | Mouth to North Branch Cedar Creek | 38.47637, -84.12301/ 38.49051, -84.10732 | Robertson |
| Craney Creek of North Fork Licking River | Mouth to Headwaters | 38.06493, -83.35154/ Headwaters | Morgan, Rowan |
| Devils Fork of North Fork Licking River\* | Mouth to Headwaters | 38.04413, -83.30378/ Headwaters | Elliott, Morgan |
| Flour Creek of Licking River | Mouth to Unnamed Tributary (0.05 River Miles Upstream of CR-1021 Vater Road) | 38.78982, -84.34388/ 38.80192, -84.32458 | Pendleton |
| Grovers Creek of Kincaid Lake\* | Kincaid Lake Backwaters to Unnamed Tributary | 38.70547, -84.25273/ 38.70795, -84.21217 | Bracken, Pendleton |
| Licking River of Ohio River | End of KY-211 Auora Road to 0.6 River Miles Downstream of Salt Lick Creek | 38.17659, -83.61805/ 38.13064, -83.60581 | Bath, Rowan |
| North Fork Licking River of Cave Run Lake\* | Cave Run Lake Backwaters (0.25 River Miles Downstream of Lick Branch) to Devils Fork | 38.06587, -83.36149/ 38.04413, -83.30378 | Morgan, Rowan |
| Sawyers Fork of Cruises Creek | Mouth to Headwaters | 38.84833, -84.54035/ Headwaters | Kenton |
| Slabcamp Creek of Craney Creek | Mouth to Headwaters | 38.09987, -83.32893/ Headwaters | Rowan |
| Slate Creek of Licking River | Mouth to Mill Creek | 38.21841, -83.69863/ 38.11220, -83.74665 | Bath |
| South Fork Grassy Creek of Grassy Creek\* | Mouth to Greasy Creek | 38.79193, -84.42895/ 38.68302, -84.48375 | Pendleton |
| Unnamed Tributary of Shannon Creek of North Fork Licking River | Mouth to Headwaters | 38.55443, -83.93335/ Headwaters | Mason |
| Welch Fork of Brushy Fork\* | Mouth to Unnamed Tributary (Downstream of CR-1160 Fox Chase Road) | 37.94405, -83.50360/ 37.93209, -83.51361 | Menifee |
| West Creek of Licking River\* | Mouth to Headwaters | 38.53643, -84.20046/ Headwaters | Harrison, Robertson |
| Willow Creek of North Fork Licking River | Mouth to Logans Branch | 38.58589, -84.17627/ 38.63013, -84.16426 | Bracken |
| LITTLE SANDY RIVER BASIN |
| Arabs Fork of Big Sinking Creek\* | Mouth to Headwaters | 38.22358, -83.15918/ Headwaters | Elliott |
| Big Caney Creek of Grayson Lake (Little Sandy River)\* | Grayson Lake Backwaters to Headwaters | 38.15880, -83.09431/ Headwaters | Elliott, Rowan |
| Big Sinking Creek of Little Sandy River\* | KY-986 to Arabs Fork | 38.24972, -83.11729/ 38.22360, -83.15915 | Carter, Elliott |
| Laurel Creek of Little Sandy River\* | CR-1352 Stegall Cold Spring Road to Headwaters | 38.12912, -83.18963/ Headwaters | Elliott, Rowan |
| Meadow Branch of Little Fork Little Sandy River\* | Mouth to Headwaters | 38.07711, -82.99544/ Headwaters | Elliott |
| Middle Fork Little Sandy River of Little Sandy River\* | Mouth to Sheepskin Branch | 38.12135, -83.09262/ 38.09139, -83.09075 | Elliott |
| Nichols Fork of Little Fork Little Sandy River\* | Green Branch to Headwaters | 38.08073, -83.00200/ Headwaters | Elliott |
| LOWER CUMBERLAND RIVER BASIN |
| Crooked Creek of Energy Lake\* | Energy Lake Backwaters to Headwaters | 36.85193, -88.03311/ Headwaters | Trigg |
| Donaldson Creek of Lake Barkley\* | Lake Barkley Backwaters to Unnamed Tributary | 36.74924, -87.91006/ 36.74970, -87.86754 | Trigg |
| Elk Fork of Red River\* | Tennessee State Line to Dry Branch | 36.64264, -87.08560/ 36.74638, -87.13221 | Todd |
| Sugar Creek of Cumberland River\* | Lick Creek to Left Descending Unnamed Tributary (Upstream of KY-2232 Sugar Creek Road) | 37.17547, -88.26578/ 37.13054, -88.28340 | Livingston |
| West Fork Red River of Red River\* | Tennessee State Line to Montgomery Creek | 36.64154, -87.35589/ 36.70964, -87.32988 | Christian |
| Whippoorwill Creek of Red River\* | Mouth to Vicks Branch | 36.66568, -86.96368/ 36.75027, -86.99652 | Logan |
| MISSISSIPPI RIVER BASIN |
| Jackson Creek of Bayou de Chien\* | Mouth to Headwaters | 36.58204, -88.80298/ Headwaters | Graves |
| Murphy Pond | Entire Pond and Preserve Area | Not Applicable | Hickman |
| Obion Creek of Mississippi River\* | Hurricane Creek to Little Creek | 36.75483, -89.01154/ 36.76673, -88.91258 | Carlisle, Hickman |
| Swan Pond | Entire Lake | Not Applicable | Ballard |
| Terrapin Creek of North Fork Obion River\* | Tennessee State Line to East and West Forks Terrapin Creek | 36.50113, -88.49244/ 36.55040, -88.52493 | Graves |
| OHIO RIVER BASIN |
| Ashbys Fork of Woolper Creek | Mouth to KY-20 Petersburg Road | 39.03846, -84.81574/ 39.07729, -84.79534 | Boone |
| Blackford Creek of Ohio River | Little Yellow Creek to Butchers Branch | 37.90127, -86.91300/ 37.88324, -86.89596 | Daviess, Hancock |
| Crooked Creek of Ohio River\* | Rush Creek to Marion City Lake Dam | 37.35915, -88.06775/ 37.31055, -88.09185 | Crittenden |
| Double Lick Creek of Woolper Creek\* | Mouth to Headwaters | 39.03416, -84.78650/ Headwaters | Boone |
| Garrison Creek of Ohio River\* | Mouth to Headwaters | 39.10565, -84.80643/ Headwaters | Boone |
| Harrods Creek of Ohio River | Wolfpen Branch to Brush Creek | 38.33388, -85.60350/ 38.44058, -85.42898 | Henry, Jefferson, Oldham |
| Kinniconick Creek of Ohio River\* | McDowell Creek to Headwaters | 38.57479, -83.18862/ Headwaters | Lewis |
| Little South Fork of Big South Fork | Land Use Change to Headwaters | 38.82216, -84.74115/ Headwaters | Boone |
| Metropolis Lake of Ohio River | Entire Lake | 37.15096, -88.77076/ 37.14475, -88.76100 | McCracken |
| Middle Fork Massac Creek of Massac Creek\* | CR-1207 Hines Road to Pond | 37.01626, -88.74480/ 36.97538, -88.72982 | McCracken |
| Pryors Fork of Corn Creek | Mouth to Land Use Change | 38.63666, -85.40210/ 38.64269, -85.33447 | Trimble |
| Second Creek of Ohio River\* | Ohio River Backwaters to Headwaters | 39.08518, -84.84280/ Headwaters | Boone |
| Unnamed Tributary of Big Sugar Creek of Ohio River\* | I-71 to Headwaters | 38.74961, -84.81112/ Headwaters | Gallatin |
| Unnamed Tributary of Corn Creek of Ohio River\* | Mouth to Headwaters | 38.60284, -85.42320/ Headwaters | Trimble |
| Unnamed Tributary of Massac Creek of Ohio River\* | Mouth to Headwaters | 36.99350, -88.69103/ Headwaters | McCracken |
| West Fork Massac Creek of Massac Creek\* | KY-724 Woodville Road to Little Massac Creek | 37.08238, -88.77790/ 37.06021, -88.79830 | McCracken |
| Yellowbank Creek of Ohio River\* | KY-259 to Headwaters | 37.98102, -86.50810/ Headwaters | Breckinridge |
| SALT RIVER BASIN |
| Beech Fork of Rolling Fork | Hot Water Creek to Headwaters | 37.59785, -85.04111/ Headwaters | Boyle, Marion |
| Brashears Creek of Salt River | Guist Creek to Bullskin and Clear Creeks | 38.09923, -85.28643/ 38.16191, -85.28012 | Shelby, Spencer |
| Cedar Creek of Salt River\* | Mouth to Greens Branch | 38.00214, -85.66327/ 37.98224, -85.60071 | Bullitt |
| Chaplin River of Beech Fork\* | Thompson Creek to Cornishville, KY | 37.85567, -85.03830/ 37.80423, -84.98705 | Mercer, Washington |
| Doctors Fork of Chaplin River | Mouth to Begley Branch | 37.67567, -84.96085/ 37.64612, -84.99949 | Boyle |
| Guist Creek of Brashears Creek | Mouth to Jeptha Creek | 38.09920, -85.28615/ 38.13244, -85.19651 | Spencer |
| Harts Run of Wilson Creek\* | Mouth to Headwaters | 37.86326, -85.61160/ Headwaters | Bullitt |
| Indian Creek of Thompson Creek | Mouth to Unnamed Tributary | 37.85118, -84.97889/ 37.87350, -84.94786 | Mercer |
| Lick Creek of Long Lick Creek | Mouth to 0.1 River Miles Downstream of Dam | 37.81851, -85.21553/ 37.82616, -85.16402 | Washington |
| Otter Creek of Rolling Fork\* | Land Use Change (0.04 River Miles Downstream of West Fork Otter Creek) to East and Middle Fork Otter Creek | 37.50830, -85.58171/ 37.49520, -85.57644 | Larue |
| Overalls Creek of Wilson Creek\* | Mouth to West Fork Overalls Creek | 37.87053, -85.60352/ 37.88749, -85.60604 | Bullitt |
| Plum Run of Glens Creek | Mouth to Headwaters | 37.85773, -85.12186/ Headwaters | Washington |
| Salt Lick Creek of Rolling Fork\* | Mouth to Headwaters | 37.55415, -85.52125/ Headwaters | Larue, Marion |
| Sulphur Creek of Chaplin River\* | Mouth to Cheese Lick and Brush Creek | 37.88144, -85.09987/ 37.88844, -85.02061 | Anderson, Mercer, Washington |
| Unnamed Tributary of Unnamed Tributary of Sulphur Creek of Sulphur Creek | Mouth to End of Forested Reach | 37.88903, -85.09514/ 37.89877, -85.09422 | Anderson |
| West Fork Otter Creek of Otter Creek\* | Mouth to Headwaters | 37.50770, -85.58158/ Headwaters | Larue |
| Wilson Creek of Rolling Fork\* | Mouth to Headwaters | 37.81170, -85.73756/ Headwaters | Bullitt, Nelson |
| TENNESSEE RIVER BASIN |
| Blood River of Kentucky Lake\* | McCullough Fork to Tennessee State Line | 36.52538, -88.17089/ 36.49911, -88.17594 | Calloway |
| Clarks River of Tennessee River | Persimmon Slough Creek to Middle Fork Creek | 36.91438, -88.42009/ 36.90303, -88.40517 | Marshall |
| Grindstone Creek of Kentucky Lake\* | Kentucky Lake Backwaters to Headwaters | 36.58230, -88.11886/ Headwaters | Calloway |
| Panther Creek of Kentucky Lake (Blood River)\* | Kentucky Lake Backwaters (0.05 River Miles Downstream From End of CR-1137 Deerberry Lane) to Headwaters | 36.56275, -88.15697/ Headwaters | Calloway |
| Panther Creek of West Fork Clarks River\* | Upstream of Channelization (at CR-1088 McKendree Church Road ) to Impoundment | 36.80551, -88.52235/ 36.74409, -88.51418 | Graves |
| Rockhouse Creek of Clarks River | Mouth to East and West Fork Rockhouse Creek | 36.74871, -88.27661/ 36.70430, -88.31580 | Calloway |
| Soldier Creek of West Fork Clarks River\* | Mouth to North Fork and South Fork Soldier Creek | 36.79642, -88.47535/ 36.78881, -88.39095 | Marshall |
| Sugar Creek of Kentucky Lake (Blood River) | Kentucky Lake Backwaters (0.05 River Miles Upstream of KY-732 Irvine Cobb Road ) to CR-1014 Old Newburg Road | 36.65222, -88.15062/ 36.65780, -88.15776 | Calloway |
| Sugar Creek of West Fork Clarks River | Mouth to Unnamed Reservoir | 36.90001, -88.54781/ 36.87609, -88.49180 | Graves |
| Trace Creek of West Fork of Clarks River\* | Mouth to Neely Branch | 36.84213, -88.53168/ 36.80975, -88.56009 | Graves |
| Unnamed Tributary of Unnamed Tributary of Panther Creek of West Fork Clarks River\* | Mouth to Headwaters | 36.79894, -88.53176/ Headwaters | Graves |
| West Fork Clarks River of Clarks River | Panther Creek to Soldier Creek | 36.82217, -88.51448/ 36.79648, -88.47555 | Graves |
| West Fork Clarks River of Clarks River\* | Soldier Creek to Duncan Creek | 36.79646, -88.47554/ 36.76359, -88.45642 | Marshall |
| Wildcat Creek of Blood River\* | CR-1131 Wright Road to Headwaters | 36.61320, -88.18308/ Headwaters | Calloway |
| TRADEWATER RIVER BASIN |
| East Fork Flynn Fork of Flynn Fork\* | US-62 Dawson Road to Headwaters | 37.14805, -87.76320/ Headwaters | Caldwell |
| Piney Creek of Lake Beshear\* | Lake Beshear Backwaters to Headwaters | 37.10253, -87.70751/ Headwaters | Caldwell, Christian |
| Sandlick Creek of Tradewater River\* | Camp Creek to Headwaters | 37.02761, -87.59583/ Headwaters | Christian |
| Tradewater River of Ohio River | Caney Creek to Buffalo Creek | 37.16249, -87.66399/ 37.15384, -87.64868 | Hopkins |
| Tradewater River of Ohio River\* | Drippings Spring Branch to Buntin Lake Dam | 37.03680, -87.52727/ 36.95621, -87.48714 | Christian |
| Unnamed Tributary of Piney Creek of Lake Beshear\* | Mouth to Headwaters | 37.08000, -87.71066/ Headwaters | Caldwell |
| Unnamed Tributary of Sandlick Creek of Tradewater River\* | Mouth to Headwaters | 37.00769, -87.59282/ Headwaters | Christian |
| TYGARTS CREEK BASIN |
| Tygarts Creek of Ohio River | Lost Creek to Leatherwood Branch | 38.51484, -82.97672/ 38.48574, -83.02801 | Greenup |
| UPPER CUMBERLAND RIVER BASIN |
| Bad Branch of Poor Fork Cumberland River\* | Mouth to Headwaters | 37.06615, -82.77128/ Headwaters | Letcher |
| Bark Camp Creek of Cumberland River\* | Upstream of Cumberland River Backwaters to Martins Fork | 36.90856, -84.30678/ 36.89760, -84.26548 | Whitley |
| Bear Creek of Big South Fork Cumberland River | Mouth to Tennessee State Line | 36.62673, -84.53343/ 36.59643, -84.52092 | McCreary |
| Beaver Creek of Cumberland River\* | Mouth to Freeman Fork and Middle Fork | 36.94623, -84.41643/ 36.89501, -84.44078 | McCreary |
| Bee Lick Creek of Brushy Creek | Mouth to Warren Branch | 37.26772, -84.43760/ 37.30223, -84.49337 | Pulaski |
| Brownies Creek of Cumberland River\* | Blacksnake Branch to Headwaters | 36.70309, -83.51605/ Headwaters | Bell, Harlan |
| Brush Creek of Roundstone Creek | Wolf Creek to Reemergence of Sinking Creek | 37.38934, -84.26451/ 37.46557, -84.22675 | Rockcastle |
| Brushy Creek of Buck Creek\* | Mouth to Headwaters | 37.21223, -84.46737/ Headwaters | Pulaski, Rockcastle |
| Buck Creek of Lake Cumberland (Cumberland River)\* | Backwaters of Lake Cumberland to 0.8 River Miles Upstream of Hurricane Creek | 37.04922, -84.42953/ 37.35997, -84.59522 | Lincoln, Pulaski |
| Bunches Creek of Cumberland River\* | Mouth to Amos Falls Branch and Seminary Branch | 36.83271, -84.31786/ 36.82749, -84.26979 | Whitley |
| Cane Creek of Rockcastle River\* | Mouth to Dam/Pond in Headwaters | 37.02646, -84.30837/ 37.05336, -84.17792 | Laurel |
| Clear Creek of Roundstone Creek | Scaffold Cane Branch to Davis Branch | 37.44240, -84.27859/ 37.48595, -84.25532 | Rockcastle |
| Clifty Creek of Brushy Creek | Mouth to Rocky Branch | 37.21642, -84.46933/ 37.24147, -84.48323 | Pulaski |
| Cogur Fork of Indian Creek\* | Mouth to Headwaters | 36.79972, -84.39768/ Headwaters | McCreary |
| Cumberland River of Lake Cumberland | Kentucky Wild River Boundaries | 36.87220, -84.32413/ 36.75173, -84.28413 | McCreary, Whitley |
| Dog Slaughter Creek of Cumberland River\* | Mouth to North and South Fork Dog Slaughter Creek | 36.85996, -84.31441/ 36.85930, -84.30072 | Whitley |
| Eagle Creek of Cumberland River\* | Mouth to Headwaters | 36.84359, -84.34359/ Headwaters | McCreary |
| Fishing Creek of Lake Cumberland (Cumberland River) | Lake Cumberland Backwaters to Puncheon Creek | 37.12475, -84.71187/ 37.22878, -84.71567 | Casey, Lincoln, Pulaski |
| Fugitt Creek of Clover Fork Cumberland River\* | Land Use Change to Headwaters | 36.91670, -83.08021/ Headwaters | Harlan |
| Horse Lick Creek of Rockcastle River\* | Mouth to Clover Bottom Creek | 37.31994, -84.13808/ 37.40908, -84.12219 | Jackson, Rockcastle |
| Howards Creek of Dale Hollow Lake\* | Dale Hollow Lake Backwaters to Headwaters | 36.69404, -85.22579/ Headwaters | Clinton |
| Indian Creek of Cumberland River\* | Kilburn Fork to Barren Fork | 36.80492, -84.37957/ 36.78654, -84.41624 | McCreary |
| Jackie Branch of Bark Camp Creek\* | Mouth to Headwaters | 36.90449, -84.27945/ Headwaters | Whitley |
| Jellico Creek of Cumberland River | Mouth to Jacks Creek | 36.75172, -84.27458/ 36.72276, -84.27523 | McCreary, Whitley |
| Kettle Creek of Cumberland River | Tennessee State Line to Wells Creek | 36.61526, -85.49117/ 36.65104, -85.44504 | Monroe |
| Kilburn Fork of Indian Creek | Mouth to Headwaters | 36.80503, -84.37958/ Headwaters | McCreary |
| Laurel Creek of Marsh Creek | Mouth to Laurel Creek Lake Dam | 36.73182, -84.37118/ 36.69308, -84.44385 | McCreary |
| Laurel Fork of Clear Fork\* | Tennessee State Line to Tiny Branch | 36.58947, -83.98760/ 36.63172, -83.95268 | Whitley |
| Laurel Fork of Middle Fork Rockcastle River\* | Mouth to Headwaters | 37.36733, -84.04829/ Headwaters | Jackson |
| Leatherwood Creek of Marrowbone Creek | Mouth to Headwaters | 36.83564, -85.56409/ Headwaters | Cumberland, Metcalfe, Monroe |
| Left Fork Fugitt Creek of Fugitt Creek | Mouth to Headwaters | 36.92528, -83.04509/ Headwaters | Harlan |
| Little South Fork of Cumberland River\* | Backwaters of Lake Cumberland to Langham Branch | 36.80583, -84.59556/ 36.64854, -84.78912 | McCreary, Wayne |
| Little White Oak Creek of White Oak Creek | Mouth to Headwaters | 37.10204, -84.19978/ Headwaters | Laurel |
| Marsh Creek of Cumberland River\* | Ford Crossing at CR-1060 East Kidd School Road and CR-1110 Kidd School Road to Tennessee State Line | 36.69964, -84.34471/ 36.59540, -84.40845 | McCreary |
| Martins Fork of Cumberland River | Rough Branch to Headwaters | 36.69766, -83.39220/ Headwaters | Bell, Harlan |
| McFarland Creek of Cumberland River | Poore Branch to Tennessee State Line | 36.63276, -85.50960/ 36.61585, -85.55184 | Monroe |
| McFarland Creek of Cumberland River | Tennessee State Line to Tennessee State Line | 36.61628, -85.57728/ 36.61646, -85.58620 | Monroe |
| Meshack Creek of Cumberland River | Mouth to Pitcock Branch | 36.70211, -85.53507/ 36.73160, -85.54153 | Monroe |
| Middle Fork Rockcastle River of Rockcastle River\* | Mouth to Indian Creek and Laurel Fork | 37.33585, -84.11898/ 37.36739, -84.04838 | Jackson |
| Mud Camp Creek of Cumberland River\* | Mouth to Collins Branch | 36.76461, -85.51225/ 36.77858, -85.51607 | Cumberland |
| Mud Camp Creek of Cumberland River\* | Unnamed Tributary (at Milepost 0.25 of CR-1335 Sawmill Hollow Road) to Headwaters | 36.78298, -85.55654/ Headwaters | Cumberland, Monroe |
| Otter Creek of Lake Cumberland | 0.75 River Miles Upstream of Gap Creek to Carpenter Fork | 36.76911, -84.96678/ 36.70801, -84.95672 | Wayne |
| Poor Fork Cumberland River of Cumberland River\* | Franks Creek to Headwaters | 37.05547, -82.80558/ Headwaters | Letcher |
| Presley House Branch of Poor Fork Cumberland River\* | Mouth to Headwaters | 37.06433, -82.79065/ Headwaters | Letcher |
| Puncheoncamp Branch of Rock Creek\* | Mouth to Headwaters | 36.65874, -84.64042/ Headwaters | McCreary |
| Sand Lick Creek of Crocus Creek | Mouth to Unnamed Tributary | 36.92458, -85.27126/ 36.92129, -85.24942 | Adair, Cumberland, Russell |
| Shilalah Creek of Clear Fork\* | Mouth to to Headwaters | 36.66632, -83.59259/ Headwaters | Bell |
| Sinking Creek of Rockcastle River\* | Mouth to White Oak Creek | 37.10193, -84.27981/ 37.09095, -84.20416 | Laurel |
| South Fork Dog Slaughter Creek of Dog Slaughter Creek\* | Mouth to Headwaters | 36.85930, -84.30072/ Headwaters | Whitley |
| South Fork Rockcastle River of Rockcastle River | Mouth to to White Oak Creek | 37.33576, -84.11903/ 337.29097, -84.08801 | Jackson, Laurel |
| Sulphur Creek of Cumberland River | Little Sulphur Creek to Baxter Branch | 36.68446, -85.57250/ 36.68327, -85.60582 | Monroe |
| Sulphur Creek of Dale Hollow Lake (Wolf River)\* | Dale Hollow Reservoir Backwaters to Headwaters | 36.64784, -85.20342/ Headwaters | Clinton |
| Unnamed Tributary of Cane Creek of Rockcastle River | Mouth to Headwaters | 37.05162, -84.19761/ Headwaters | Laurel |
| Unnamed Tributary of Rock Creek of Big South Fork Cumberland River\* | Mouth to Headwaters | 36.66420, -84.62917/ Headwaters | McCreary |
| Unnamed Tributary of Rock Creek of Big South Fork Cumberland River\* | Mouth to Headwaters | 36.64450, -84.71115/ Headwaters | McCreary |
| Watts Branch of Rock Creek\* | Mouth to Headwaters | 36.65759, -84.65619/ Headwaters | McCreary |
| Watts Creek of Cumberland River\* | Camp Blanton Lake to Headwaters | 36.86035, -83.37971/ Headwaters | Harlan |
| White Oak Creek of Sinking Creek | Little White Oak Creek to Headwaters | 37.10204, -84.19978/ Headwaters | Laurel |
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\*Waterbodies in the cabinet's reference reach network

(a) Categorization criteria. A surface water shall be categorized as an exceptional water if the surface water:

1. Is designated as a Kentucky Wild River and is not categorized as an outstanding national resource water;

2. Is designated as an outstanding state resource water as established in 401 KAR 10:031, Section 8(1)(a)1. and 2. and Section 8(1)(b);

3. Contains a:

a. Fish community that is rated "excellent" by the use of the Index of Biotic Integrity included in Development and Application of the Kentucky Index of Biotic Integrity (KIBI), 2003; or

b. Macroinvertebrate community that is rated "excellent" by the Macroinvertebrate Bioassessment Index included in "The Kentucky Macroinvertebrate Bioassessment Index," 2003; or

4. Is in the cabinet's reference reach network.

(b) Implementation procedure. The implementation procedure for exceptional water shall be as established in subsection (3)(b) of this section.

(3) High quality water.

(a) Categorization criteria.

1. A surface water shall be categorized as high quality water if the surface water is not listed as an outstanding national resource water or an exceptional water in Table 1 or 2 of this section and if the surface water does not meet the criteria for impaired water as established in subsection (4)(a) of this section.

2. A surface water shall be categorized as a high quality water if the surface water is listed as an outstanding state resource water in 401 KAR 10:026 and is not listed as an outstanding national resource water in Table 1 or an exceptional water in Table 2 of this section.

(b) Implementation procedure. Existing instream water uses and the level of water quality necessary to protect the existing uses shall be maintained and protected. A KPDES permit application for a new or expanded discharge into a high quality or exceptional water shall be subject to the provisions of this paragraph, except:

1.

a. The renewal of a KPDES permit that does not authorize pollutant loading to the receiving stream in excess of that previously authorized;

b. An increase in pollutant loading within the limits previously approved by the KPDES permit; or

c. A new or expanded discharge that the applicant demonstrates:

(i) Shall not consume more than ten (10) percent of the available assimilative capacity of the receiving stream outside of a designated mixing zone or zone of initial dilution for each new or increased pollutant in the discharge; and

(ii) The cumulative impact of this category of discharges shall not consume more than ten (10) percent of the available assimilative capacity of the receiving stream outside of a designated mixing zone or zone of initial dilution.

2. The activities identified in clauses a. through d. of this subparagraph shall constitute compliance with the alternatives and socioeconomic analysis requirements if addressed in the manner established in this subparagraph rather than as established in subparagraph 1.c. of this paragraph, unless the permittee chooses to satisfy applicable antidegradation requirements pursuant to subparagraph 3. of this paragraph.

a. The cabinet may, upon receipt of a notice of intent to be covered under a general permit, require additional analyses or other information if necessary to comply with antidegradation requirements. A general permit issued pursuant to 401 KAR 5:050 through 5:080 shall be compliant with the alternatives and socioeconomic analysis requirements if:

(i) The activity permitted by the general permit may result in a lowering of water quality, the cabinet shall describe in the Fact Sheet how the general permit complies with the alternatives analysis, and socioeconomic demonstration requirements of subparagraph 1.c. of this paragraph upon each general permit issuance;

(ii) The requirements and conditions in a general permit will prevent a lowering of water quality, the cabinet shall describe in the Fact Sheet how the general permit complies with the antidegradation policy established in 401 KAR 10:029, Section 1; and

(iii) The cabinet notifies the public of an activity granted coverage under a general permit on the cabinet's Web page, which shall include the facility name, location, and receiving water.

b. The approval of a POTW's regional facility plan pursuant to 401 KAR 5:006 shall constitute compliance with the alternatives analysis and socioeconomic demonstration for a regional facility.

c. An antidegradation review shall not be required for maintenance of an existing highway facility. A new or expanded discharge associated with a project identified in the Kentucky Transportation Cabinet's six (6) year road plan as established in KRS 176.430 shall satisfy the:

(i) Alternatives analysis for lowering water quality requirement if an alternatives analysis for the project has been submitted; and

(ii) Socioeconomic demonstration requirement if the project has been approved by the General Assembly and included in the Kentucky Transportation Cabinet's six (6) year road plan and evaluated pursuant to the provisions of KRS 176.430(4)(i).

d. An individual MS4 permit issued pursuant to 401 KAR 5:050 through 5:080 shall be compliant with the alternatives and socioeconomic analysis requirements if the:

(i) Activity permitted by the MS4 permit may result in a lowering of water quality, the cabinet shall describe in the Fact Sheet how the MS4 permit complies with the alternatives analysis and socioeconomic demonstration requirements of subparagraph 3.a. and b. of this paragraph; and

(ii) Requirements and conditions in the MS4 permit will prevent a lowering of water quality, the cabinet shall describe in the Fact Sheet how the MS4 permit complies with the antidegradation policy established in 401 KAR 10:029, Section 1.

3. An application for a KPDES permit subject to this paragraph shall contain information demonstrating that the lowering of water quality is necessary to accommodate important economic or social development in the area in which the water is located.

a. The socioeconomic demonstration shall consider:

(i) The boundaries of the affected community;

(ii) The potential effect on employment, including a comparison of local unemployment rates and state and national unemployment rates;

(iii) The potential effect on median household income levels, including a comparison of the present median household income level, projected median household income level, and number of households affected in the defined community;

(iv) The potential effect on tax revenues, including current tax revenues in the affected community compared to projected increase in tax revenues generated by the permitted project;

(v) The potential effect of the facility on the environment and public health; and

(vi) Other potential economic or social effect to the community that the applicant includes in the application.

b. The alternatives analysis shall consider:

(i) Pollution prevention measures, such as changes in plant processes, source reductions, or substitution with less toxic substances;

(ii) The use of best management practices to minimize impacts;

(iii) Recycle or reuse of wastewater, waste by-products, or production materials and fluids;

(iv) Application of water conservation methods;

(v) Alternative or enhanced treatment technology;

(vi) Improved operation and maintenance of existing treatment systems;

(vii) Seasonal or controlled discharge options;

(viii) Land application or infiltration to capture pollutants and reduce surface runoff, on-site treatment, or alternative discharge locations; and

(ix) Discharge to other treatment facilities.

c. Information required pursuant to this subparagraph shall be submitted on the Socioeconomic Demonstration and Alternatives Analysis form.

4. A permit applicant who has failed to demonstrate the necessity and social or economic development importance for lowering water quality shall not receive a permit unless:

a. The applicant demonstrates, through a revised submission, the necessity for lowering revised water quality in accordance with subparagraph 3. of this paragraph; or

b. The applicant demonstrates that the discharge can meet the requirements established in subparagraph 1.c. of this paragraph.

5. A permit applicant who demonstrates the necessity and social or economic development importance for lowering water quality shall meet the requirements of the KPDES program, 401 KAR 5:050 through 5:080.

6. The cabinet's determination shall be documented in the permit Fact Sheet and included in the administrative record for the permit or action.

(4) Impaired water.

(a) Categorization criteria. A surface water categorized as impaired for applicable designated uses shall be a water identified pursuant to 33 U.S.C. 1315(b).

1. A surface water assessed by the cabinet as not fully supporting an applicable designated use shall be categorized as impaired for the purposes of this administrative regulation, except as established in subparagraph 2. of this paragraph.

2. A surface water shall not be categorized as impaired water for the purposes of this administrative regulation if the surface water is listed:

a. As an outstanding state resource water in 401 KAR 10:026;

b. As an exceptional water in 401 KAR 10:030; or

c. Only as mercury or methylmercury impaired for fish consumption.

(b) Implementation procedure.

1. All existing uses shall be protected and the level of water quality necessary to protect those existing uses shall be assured in impaired water.

2. The process to allow a discharge into an impaired water and to assure protection of the water shall be regulated by the requirements in the Kentucky Pollution Discharge Elimination System Program, 401 KAR 5:050 through 5:080.

Section 2. Procedure for Recategorizing Water. This section shall apply to the recategorization of surface water to outstanding national resource water and exceptional water. The redesignation of water to outstanding state resource water shall be governed by the procedures in 401 KAR 10:026.

(1) The cabinet may propose to recategorize certain water to outstanding national resource water and exceptional water if the water meets the criteria set forth in Section 1(1)(a) or (2)(a) of this administrative regulation.

(a) If the cabinet proposes to recategorize these waters, it shall provide notice and an opportunity for public hearing.

(b) The cabinet shall provide the documentation requirements of this section for those surface waters it proposes to recategorize.

(2) A person may request recategorization of a surface water to an outstanding national resource water or exceptional water by filing a petition with the cabinet.

(a) The petition shall include the name and address of the petitioner and the information and documentation necessary to recategorize the particular water as required by subsection (4) of this section.

(b) The petitioner shall have the burden of proof that the recategorization is appropriate.

(c) The cabinet shall provide notice of the petition and an opportunity for a public hearing.

(d) The cabinet shall review the petition, supporting documentation, and any comments received from the public to determine if the proposed water qualifies for recategorization.

(e) The cabinet shall document the determination to grant or deny recategorization as a result of a petition, and shall provide a copy of the decision to the petitioner and other interested parties.

(3) If a water is to be recategorized, the cabinet shall publish notice of the recategorization.

(a) A permit issued after the date of publication shall be issued with limitations based on the new category.

(b) When the cabinet reviews its water quality standards pursuant to the provisions of Section 303 of the Clean Water Act, 33 U.S.C. 1313, the cabinet shall propose to have all recategorized water promulgated as an amendment to this administrative regulation.

(4) The following information, documentation, and data shall support a petition for recategorization:

(a) A petition for outstanding national resource water shall include:

1. A USGS 7.5 minute topographic map or its equivalent showing those surface waters to be recategorized including a description consisting of a river mile index with any existing and proposed discharge points;

2. Existing uses and water quality data for the surface water for which the recategorization is proposed. If adequate data are unavailable, additional studies shall be required by the cabinet;

3. Descriptions of general land uses and specific land uses adjacent to the surface water for which the recategorization is proposed;

4. The existing and designated uses of the water upstream and downstream of the proposed recategorized water;

5. General physical characteristics of the surface water including width, depth, bottom composition, and slope;

6. The frequency of occasions when there is no natural flow in the surface water and the 7Q10 and harmonic mean flow values for the surface water and adjacent surface waters;

7. An assessment of the existing and potential aquatic life habitat in the surface water under consideration and the adjacent upstream surface waters. The existing aquatic life shall be documented including the occurrence of individuals or populations, indices of diversity and well-being, and abundance of species of any unique native biota;

8. A documented rationale as to why the water qualify for the recategorization; and

9. The rationale used to support the national significance of the water.

(b) A petition for exceptional water shall include:

1. A United States Geological Survey 7.5 minute topographic map or its equivalent showing the surface water to be recategorized including a description consisting of a river mile index with existing and proposed discharge points;

2. Descriptions of general land uses, including:

a. Mining;

b. Agriculture;

c. Recreation;

d. Low, medium, and high density residential, commercial, or industrial uses; and

e. Specific land uses adjacent to the surface water for which the recategorization is proposed;

3. The frequency of occasions when there is no natural flow in the surface water and the 7Q10 and annual mean flow values for the surface water; and

4. Fish or benthic macroinvertebrate collection data and an Index of Biotic Integrity or Macroinvertebrate Bioassessment Index calculation from a waterbody if criteria specified in Section 1(2)(a)3 of this administrative regulation are utilized.

Section 3. Incorporation by Reference.

(1) The following material is incorporated by reference:

(a) "Development and Application of the Kentucky Index of Biotic Integrity (KIBI)", 2003, Kentucky Division of Water, Environmental and Public Protection Cabinet;

(b) "The Kentucky Macroinvertebrate Bioassessment Index", 2003, Kentucky Division of Water, Environmental and Public Protection Cabinet; and

(c) "Socioeconomic Demonstration and Alternative Analysis", KPDES Form SDAA, DEP Form 7032, May 2019.

(2) This material may be inspected, copied, or obtained, subject to applicable copyright law, at the Division of Water, 300 Sower Boulevard, Frankfort, Kentucky 40601, Monday through Friday, 8 a.m. to 4:30 p.m.

(a) The Socioeconomic Demonstration and Alternative Analysis, KPDES Form SDAA, DEP Form 7032, May 2019, is also available on the division's Web site at https://eec.ky.gov/Environmental-Protection/Water/PermitCert/KPDES/Pages/default.aspx.

(b) "Development and Application of the Kentucky Index of Biotic Integrity" and "Kentucky Macroinvertebrate Bioassessment Index" is also available on the division's Web site at https://eec.ky.gov/Environmental-Protection/Water/QA/Pages/default.aspx.

(21 Ky.R. 2843; Am. 89; 280; eff. 7-12-1995; 26 Ky.R. 145; 819; 1144; eff. 12-8-1999; 30 Ky.R. 1024; 1801; 31 Ky.R. 558; eff. 9-8-2004; TAm eff. 8-9-2007, Recodified from 401 KAR 5:030, 6-11-2008; 35 Ky.R. 161; 908; 36 Ky.R. 31; eff. 7-30-2009; 37 Ky.R. 2071; 2655; eff. 8-5-2011; 42 Ky.R. 884; 2092; eff. 2-5-2016; TAm 7-8-2016.; 46 Ky.R. 202, 1231, 1840; eff. 1-3-2020.)