

**Energy and Environment Cabinet
Department for Environmental Protection
Division of Water
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**Outstanding State Resource Water Use Designation For 20 Streams or Stream Segments
in the Commonwealth of Kentucky**

A Supplement to the 2015 Triennial Review Proposed Water Quality Standards
401 KAR 10:026 Section 3(2)

Introduction. The following is a compilation of information on 20 streams or stream segments (segments) proposed for the designation of Outstanding State Resource Water (OSRW). This brief serves as supporting information and fulfills the applicable procedures and elements of 401 KAR 10:026 Section 3(2) for designation based on the presence of federally listed Threatened or Endangered species. All OSRW water bodies and segments are listed in 401 KAR 10:026 Table C, Surface Water Use Designations.

The length and bounds of each water body and segment are given in terms of river miles or by a particular basin. Additionally, each water body proposed for OSRW designation contains both the common name and Latinized scientific name for each federally listed species particular to a segment.

Licking River, Bath and Fleming counties. This segment is 2 miles in length, extending from river mile 138.3 to 140.3. It is proposed for designation under the automatic inclusion clause of 401 KAR 10:031 Section 8(1)(a)3. Habitat, including water quality, supports the freshwater mussel, Sheepnose (*Pethobasus cyphus*). The federal listing status: Endangered.

Licking River, Bath and Fleming counties. This segment is 2.1 miles in length and extends from river mile 146.1 downstream to 144.0. It is proposed for designation under the automatic inclusion clause of 401 KAR 10:031 Section 8(1)(a)3. Habitat and water quality support the freshwater mussel, Rabbitsfoot (*Quadrula cylindrica cylindrica*). The federal listing status: Threatened.

Green River, Muhlenberg and Ohio counties. This segment is 2.5 miles in length, extending from river mile 108.4 downstream to 105.9. It is proposed for designation under the automatic inclusion clause of 401 KAR 10:031 Section 8(1)(a)3. Habitat, including water quality, supports the freshwater mussels, Pink Mucket (*Lampsilis abrupta*) and Rough Pigtoe (*Pleurobema plenum*). The federal listing status of both: Endangered.

Green River, Butler County. This segment is 1 mile in length, extending from river mile 140.7 downstream to 139.7. It is proposed for designation under the automatic inclusion clause of 401 KAR 10:031 Section 8(1)(a)3. Habitat, including water quality, supports the freshwater mussel Rough Pigtoe (*Pleurobema plenum*). The federal listing status: Endangered.

Bain Branch, Knox County. This basin is proposed for designation under the automatic inclusion clause of 401 KAR 10:031 Section 8(1)(a)3. Habitat, including water quality, supports the fish species, Blackside dace (*Chrosomus cumberlandensis*). The federal listing status: Endangered.

Paint Gap Branch of Sinking Creek, Knox County. The basin of Paint Gap Branch is proposed for designation under the automatic inclusion clause of 401 KAR 10:031 Section 8(1)(a)3. Habitat, including water quality, supports the fish species, Blackside dace (*Chrosomus cumberlandensis*). The federal listing status: Endangered.

Seng Branch, Whitley County. The basin of Seng Branch is proposed for designation under the automatic inclusion clause of 401 KAR 10:031 Section 8(1)(a)3. Habitat, including water quality, supports the fish species, Blackside dace (*Chrosomus cumberlandensis*). The federal listing status: Endangered.

Tennessee River, Livingston and Marshall counties. This stream segment extension is 7.8 stream miles in length, extending from river mile 12.0 downstream to 4.2. It is proposed for designation under the automatic inclusion clause of 401 KAR 10:031 Section 8(1)(a)3. This segment extension of river provides habitat, including water quality, that support the freshwater mussels, Sheepnose (*Plethobasus cyphus*) and Rabbitsfoot (*Quadrula cylindrica cylindrica*). The federal listing status for *Q. cylindrica cylindrica*: Threatened; the federal listing status for *P. cyphus*: Endangered.

Ohio River, Greenup County. This stream segment is 2.0 river miles in length, extending from river mile 341.3 downstream to 343.3. It is proposed for designation under the automatic inclusion clause of 401 KAR 10:031 Section 8(1)(a)3. Habitat, including water quality, supports the freshwater mussel Sheepnose (*Plethobasus cyphus*). The federal listing status: Endangered.

Ohio River, Bracken County. This stream segment is 1.75 river miles in length, extending from river mile 436.25 downstream to 438.0. It is proposed for designation under the automatic inclusion clause of 401 KAR 10:031 Section 8(1)(a)3. Habitat, including water quality, provides support for the freshwater mussel Sheepnose (*Plethobasus cyphus*). The federal listing status: Endangered.

Ohio River, Campbell County. This stream segment is 2.1 miles in length, extending from river mile 459.6 downstream to 461.7. It is proposed for designation under the automatic inclusion clause of 401 KAR 10:031 Section 8(1)(a)3. Habitat, including water quality, supports the

freshwater mussel species Sheepnose (*Plethobasus cyphus*). The federal listing status: Endangered.

Ohio River, Trimble County. This stream segment is 2.3 miles in length, extending from river mile 559.7 downstream to 562.0. It is proposed for designation under the automatic inclusion clause of 401 KAR 10:031 Section 8(1)(a)3. Habitat, including water quality, provides support for the freshwater mussel species Rabbitsfoot (*Quadrula cylindrica cylindrica*). The federal listing status: Threatened.

Ohio River, Hancock County. This stream is 1.9 miles in length, extending from river mile 725.2 downstream to 727.1. It is proposed for designation under the automatic inclusion clause of 401 KAR 10:031 Section 8(1)(a)3. Habitat, including water quality, provides support for the freshwater mussel Rabbitsfoot (*Quadrula cylindrica cylindrica*). The federal listing status: Threatened.

Ohio River, Hancock County. This stream segment is 2.0 miles in length, extending from river mile 732.9 downstream to 734.9. It is proposed for designation under the automatic inclusion clause of 401 KAR 10:031 Section 8(1)(a)3. Habitat, including water quality, provides support for the freshwater mussel Sheepnose (*Plethobasus cyphus*). The federal listing status: Endangered.

Ohio River, Daviess County. This stream segment is 2 miles in length, extending from river miles 758.7 downstream to 760.7. It is proposed for designation under the automatic inclusion clause of 401 KAR 10:031 Section 8(1)(a)3. Habitat, including water quality, provides support for the freshwater mussel Sheepnose (*Plethobasus cyphus*) and Rabbitsfoot (*Quadrula cylindrica cylindrica*). The federal listing status: Endangered, Threatened, respectively.

Ohio River, Henderson County. This stream segment is 1.9 miles in length, extending from river mile 784.7 downstream to 786.6. It is proposed for designation under the automatic inclusion clause of 401 KAR 10:031 Section 8(1)(a)3. Habitat, including water quality, supports the freshwater mussel species Rabbitsfoot (*Quadrula cylindrica cylindrica*). The federal listing status: Threatened.

Ohio River, McCracken County. This stream segment is 3.4 miles in length, extending from river mile 956.1 downstream to 952.7. It is proposed for designation under the automatic inclusion clause of 401 KAR 10:031 Section 8(1)(a)3. Habitat, including water quality, supports the freshwater mussel species Sheepnose (*Plethobasus cyphus*) and Rabbitsfoot (*Quadrula cylindrica cylindrica*). The federal listing status: Endangered, Threatened, respectively.

Ohio River, McCracken County. This stream segment is 2.3 miles in length, extending from river mile 946.8 downstream to 949.1. It is proposed for designation under the automatic inclusion clause of 401 KAR 10:031 Section 8(1)(a)3. Habitat, including water quality, supports

the freshwater mussel species Sheepnose (*Plethobasus cyphus*). The federal listing status: Endangered.

Ohio River, McCracken County. This stream segment is 10.3 miles in length, extending from river mile 933.1 downstream to 943.4. It is proposed for designation under the automatic inclusion clause of 401 KAR 10:031 Section 8(1)(a)3. Habitat, including water quality, supports the freshwater mussel species Sheepnose (*Plethobasus cyphus*). The federal listing status: Endangered.

Ohio River, McCracken and Ballard counties. This stream segment is 18 miles in length, extending from river mile 956.1 downstream to 974.1. It is proposed for designation under the automatic inclusion clause of 401 KAR 10:031 Section 8(1)(a)3. Habitat, including water quality, supports the freshwater mussel species Sheepnose (*Plethobasus cyphus*) and Rabbitsfoot (*Quadrula cylindrica cylindrica*). The federal listing status: Endangered, Threatened, respectively.