

CHEROKEE COUNTY - DESIGNATED CRITICAL HABITATS

ARKANSAS DARTER - *Etheostoma cragini* (Gilbert, 1885)

Status: Threatened in Kansas
Federal Candidate

Currently, the following areas are designated critical for the Arkansas darter:

That reach of the main stem Spring River from the Kansas-Missouri border (Sec. 1-T33S-R25E) to where it crosses SE Lostine Road (Sec. 3-T34S-R25E).

BUTTERFLY MUSSEL - *Ellipsaria lineolata* (Rafinesque, 1820)

Status: Threatened in Kansas

Currently, the following areas are designated critical for the butterfly mussel:

The main stem of the Neosho River from its point of entry (Sec. 14-T33S-R21E) to the Kansas/Oklahoma border (Sec. 18-T35S-R22E).

DARK-SIDED SALAMANDER - *Eurycea longicauda melanopleura* (Cope, 1869)

Status: Threatened in Kansas

EASTERN NEWT - *Notophthalmus viridescens louisianensis* (Wolterstorff, 1914)

Status: Threatened in Kansas

Currently, the following areas are considered critical for the dark-sided salamander and Eastern newt:

All suitable wetlands, waters, and moist wooded bottomlands occurring within that portion of Cherokee County lying south and east of a line starting at the Kansas-Missouri border at K-96 (Sec. 12-T33S-R25E), then extending west along K-96 to its junction with K-26 (Sec. 18-T33S-R25E), then south along K-26 to its junction with U.S. 66 (Sec. 18-T34S-R25E), then south and west along U.S. 66 to the Kansas-Oklahoma border (Sec. 14-T35S-R24E).

EASTERN NARROWMOUTH TOAD - *Gastrophryne carolinensis* (Holbrook, 1836)

Status: Threatened in Kansas

Currently, the following areas are designated as critical habitat for Eastern narrowmouth toad:

All clear, temporary, predator-free pools and shallows of well vegetated impoundments within that portion of Cherokee County lying south and east of a line beginning at the Kansas/Missouri border at NE corner (Sec. 36-T32S-R25E), then extending due west to the NW corner (Sec. 32-T32S-R25E), then extending due south to the SW corner (Sec. 17-T34S-R25E), then following U.S. 66 southwesterly to the Kansas-Oklahoma border (Sec. 14-T35S-R24E)

ELKTOE MUSSEL - *Alasmodonta marginata* (Say, 1818)

Status: Endangered in Kansas

ELLIPSE MUSSEL - *Venustaconcha ellipsiformis* (Conrad, 1836)

Status: Endangered in Kansas

Currently, the following areas are designated critical for the elktoe and ellipse mussels:

The main stem of the Spring River from the Kansas/Missouri border (Sec. 1-T33S-R25E) to U.S.66 (Sec.17-T34S-R25E).

FLUTED-SHELL MUSSEL - *Lasmigona costata* (Rafinesque,1820)

Status: Threatened in Kansas

Currently, the following areas are designated critical for the fluted-shell mussel:

- (1) The main stem of the Spring River from the Kansas/Missouri border (Sec. 1-T33S-R25E) to U.S.66 (Sec.17-T34S-R25E).
- (2) Shoal Creek from the Kansas/Missouri border (Sec. 36-T34S-R25E) to K-26 (Sec. 35-T34S-R25E).

GRAY MYOTIS - *Myotis grisescens* (A.H. Howell)

Status: Endangered in Kansas

Endangered Nationally

Currently, the following areas are designated critical for Gray Myotis:

- (1) All woodlands and waters within a corridor along the main stem Cow Creek from its entry (Sec. 21-T31S-R25E) to its confluence with Spring River (Sec. 2-T33S-R25E). The outermost boundaries of the corridor shall be along lines 150 yards landward from the stream's ordinary high water mark on the right and left banks respectively.
- (2) All woodlands and waters within a corridor along the main stem Spring River from its point of entry (Sec. 1-T33S-R25E), to the K-96 crossing (Sec. 11-T33S-R25E). The outermost boundaries of the corridor shall be along lines 150 yards landward from the stream's ordinary high water mark on the right and left banks respectively.

CHEROKEE COUNTY - DESIGNATED CRITICAL HABITATS

GREEN FROG - *Rana clamitans melanota* (Rafinesque, 1820)

Status: Threatened in Kansas

Currently, the following areas are designated critical for Green Frogs:

- (1) All waters and wetlands within or upon the main stem Spring River channel and adjacent flood plain from the river's point of entry (Sec. 1- T33S-R25E), to its point of departure (Sec. 18-T35S-R25E).
- (2) All waters and wetlands within or upon the main stem Shoal Creek channel and adjacent flood plain from the creek's point of entry (Sec. 36- T34S-R25E), to its confluence with Spring River (Sec. 19-T34S-R25E).

CAVE SALAMANDER - *Eurycea lucifuga* (Rafinesque, 1822)

Status: Endangered in Kansas

GRAYBELLY SALAMANDER - *Eurycea multiplicata griseogaster* (Moore and Hughes, 1941)

Status: Endangered in Kansas

GROTTO SALAMANDER - *Typhlotriton spelaeus* (Stejneger, 1893)

Status: Endangered in Kansas

Currently, the following areas are designated critical for the cave, graybelly, and grotto salamanders:

All caves and associated spring flows within that portion of Cherokee County lying south and east of a line beginning at the Kansas/Missouri border junction with U.S. 66 (Sec. 13-T34S-R25E), then extending westerly and southerly along U.S. 66 to the Kansas/Oklahoma border (Sec. 14-T35S-R24E).

NEOSHO MADTOM - *Noturus placidus* (Taylor, 1969)

Status: Threatened in Kansas

Threatened Nationally

Currently, the following areas are designated critical for the Neosho madtom:

- (1) The main stem of the Neosho River from its point of entry (Sec. 14-T33S-R21E) to the Kansas/Oklahoma border (Sec. 18-T35S-R22E).
- (2) The main stem Spring River from the Kansas/Missouri border to a point where it crosses the west boundary of (Sec. 36-T33S-R25E).

CHEROKEE COUNTY - DESIGNATED CRITICAL HABITATS

NORTHERN REDBELLY SNAKE - *Storeria occipitomaculata occipitomaculata* (Storer, 1839)

Status: Threatened in Kansas

Currently, the following areas are designated critical for the Northern redbelly snake:

- (3) All deeply wooded regions near rivers and lakes, sandstone woods, wooded hillsides, hillsides near streams, steep slopes of forested hills,

moist areas, moist woodlands, woodlands with dense leaf litter, lowlands, forest edge, open fields, the vicinity of old dilapidated farm buildings, and woodlands which remain damp throughout the year lying east of a line beginning at the U.S. 69 Kansas/ Oklahoma border (Sec. 18-T35S-R24E), extending north to K-7 (Sec. 7- T33S-R24E), and continuing north to the Cherokee/Crawford County border (Sec. 19-T31S-R24E).

NORTHERN SPRING PEEPER - *Pseudacris crucifer crucifer* (Wied, 1838)

Status: Threatened in Kansas

Currently, the following areas are designated critical for Northern spring peepers:

All temporary and permanent wetlands lying east of a line beginning at the Kansas/Oklahoma border at U.S. 69 (Sec. 18-T35S-R24E) extending north on U.S. 69 to K-7 (Sec. 7-T33S-R24E), and continuing north on K-7 to the Cherokee/Crawford County border (Sec. 19-T31S-R24E).

NEOSHO MUCKET MUSSEL - *Lampsilis rafinesqueana* Frierson, 1927

Status: Endangered in Kansas

OUACHITA KIDNEYSHELL MUSSEL - *Ptychobranthus occidentalis* (Conrad, 1836)

Status: Threatened in Kansas

Currently, the following areas are designated critical for the Neosho mucket and Ouachita kidneyshell mussels:

- (1) The main stem of the Neosho River from its point of entry (Sec. 14-T33S-R21E) to the Kansas/Oklahoma border (Sec. 18-T35S-R22E).
- (2) The main stem of Spring River from the Kansas/Missouri border (Sec. 1-T33S-R25E) to U.S.66 (Sec. 17-T34S-R25E).
- (3) Shoal Creek from the Kansas/Missouri border (Sec. 36-T34S-R25E) to Lowell (Sec. 29-T34S-R25E).

CHEROKEE COUNTY - DESIGNATED CRITICAL HABITATS

RABBITSFOOT MUSSEL - *Quadrula cylindrica cylindrica* (Say, 1817)

Status: Endangered in Kansas

Currently, the following areas are designated critical for the rabbitsfoot mussel:

- (1) The main stem of the Neosho River from its point of entry (Sec. 14-T33S-R21E) to the Kansas/Oklahoma border (Sec. 18-T35S-R22E).
- (2) The main stem of Spring River from the Kansas/Missouri border (Sec. 1-T33S-R25E) to U.S.66 (Sec. 17-T34S-R25E).

REDSPOT CHUB - *Nocomis asper* (Lachner and Jenkins, 1971)

Status: Threatened in Kansas

Currently, the following areas are designated critical for the redspot chub:

- (4) The main stem of Shoal Creek from the Kansas/Missouri border (Sec. 36-T34S-R25E) to its confluence with Empire Lake (Sec. 29-T34S-R25E).
- (5) The main stem of Spring River from the Kansas/Missouri border (Sec. 1-T33S-R25E) to its confluence with Shoal Creek (Sec. 19-T34S-R25E).

WESTERN FANSHELL MUSSEL - *Cyprogenia aberti* (Conrad, 1850)

Status: Endangered in Kansas

Currently, the following areas are designated critical for the Western fanshell mussel:

- (1) The main stem of the Spring River from the Kansas/ Missouri border (Sec. 1-T33S-R25E) to US-66 (Sec. 17-T34S-R25E).
- (2) The main stem of Shoal Creek from the Kansas/Missouri border (Sec. 36-T34S-R25E) to K-26 (Sec. 35-T34S-R25E).