

**Report of
Endangered, Threatened, and Special Concern
Plants, Animals, and Natural Communities
for Barren County, Kentucky**

**Kentucky State Nature Preserves
Commission
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Kentucky State Nature Preserves Commission

Key for County List Report

Within a county, elements are arranged first by taxonomic complexity (plants first, natural communities last), and second by scientific name. A key to status, ranks, and count data fields follows.

STATUS

KSNPC: Kentucky State Nature Preserves Commission status:

N or blank = none E = endangered T = threatened S = special concern H = historic X = extirpated

USESA: U.S. Fish and Wildlife Service status:

blank = none C = candidate LT = listed as threatened LE = listed as endangered

PT = proposed threatened PE = proposed endangered

SOMC = Species of Management Concern

RANKS

GRANK: Estimate of element abundance on a global scale:

G1 = Critically imperiled

GU = Unrankable

G2 = Imperiled

G#? = Inexact rank (e.g. G2?)

G3 = Vulnerable

G#Q = Questionable taxonomy

G4 = Apparently secure

G#T# = Intraspecific taxa (Subspecies and variety abundances are coded with a 'T' suffix; the 'G' portion of the rank then refers to the entire species)

G5 = Secure

GH = Historic, possibly extinct

GNR = Unranked

GX = Presumed extinct

GNA = Not applicable

SRANK: Estimate of element abundance in Kentucky:

S1 = Critically imperiled

SU = Unrankable

Migratory species may have separate ranks for different population segments (e.g. S1B, S2N, S4M):

S2 = Imperiled

S#? = Inexact rank (e.g. G2?)

S#B = Rank of breeding population

S3 = Vulnerable

S#Q = Questionable taxonomy

S#N = Rank of non-breeding population

S4 = Apparently secure

S#T# = Intraspecific taxa

S#M = Rank of transient population

S5 = Secure

SNR = Unranked

SH = Historic, possibly extirpated

SNA = Not applicable

SX = Presumed extirpated

COUNT DATA FIELDS

OF OCCURRENCES: Number of occurrences of a particular element from a county. Column headings are as follows:

E - currently reported from the county

H - reported from the county but not seen for at least 20 years

F - reported from county & cannot be relocated but for which further inventory is needed

X - known to have extirpated from the county

U - reported from a county but cannot be mapped to a quadrangle or exact location.

The data from which the county report is generated is continually updated. The date on which the report was created is in the report footer. Contact KSNPC for a current copy of the report.

Please note that the quantity and quality of data collected by the Kentucky Natural Heritage Program are dependent on the research and observations of many individuals and organizations. In most cases, this information is not the result of comprehensive or site-specific field surveys; many natural areas in Kentucky have never been thoroughly surveyed, and new species of plants and animals are still being discovered. For these reasons, the Kentucky Natural Heritage Program cannot provide a definitive statement on the presence, absence, or condition of biological elements in any part of Kentucky. Heritage reports summarize the existing information known to the Kentucky Natural Heritage Program at the time of the request regarding the biological elements or locations in question. They should never be regarded as final statements on the elements or areas being considered, nor should they be substituted for on-site surveys required for environmental assessments.

KSNPC appreciates the submission of any endangered species data for Kentucky from field observations. For information on data reporting or other data services provided by KSNPC, please contact the Data Manager at:

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County	Taxonomic Group	Scientific name	Common name	Statuses	Ranks	# of Occurrences				
						E	H	F	X	U
Barren	Vascular Plants	<i>Aureolaria patula</i>	Spreading False Foxglove	S /	G3 / S3	1	0	0	0	0
Barren	Vascular Plants	<i>Castanea dentata</i>	American Chestnut	E /	G4 / S1?	1	0	0	0	0
Barren	Vascular Plants	<i>Fimbristylis puberula</i>	Chestnut Sedge	T /	G5 / S2	1	0	0	0	0
Barren	Vascular Plants	<i>Glyceria acutiflora</i>	Sharp-scaled Manna-grass	E /	G5 / S1S2	0	1	0	0	0
Barren	Vascular Plants	<i>Helianthemum bicknellii</i>	Plains Frostweed	E /	G5 / S1S2	0	0	0	1	0
Barren	Vascular Plants	<i>Helianthus eggertii</i>	Eggert's Sunflower	T /	G3 / S2	2	0	0	0	0
Barren	Vascular Plants	<i>Heteranthera limosa</i>	Blue Mud-plantain	S /	G5 / S2S3	1	0	0	0	0
Barren	Vascular Plants	<i>Lespedeza capitata</i>	Round-head Bush-clover	S /	G5 / S3	1	1	0	0	0
Barren	Vascular Plants	<i>Lespedeza stuevei</i>	Tall Bush-clover	T /	G4? / S2S3	1	0	0	0	0
Barren	Vascular Plants	<i>Polygala nuttallii</i>	Nuttall's Milkwort	H /	G5 / SH	0	1	0	0	0
Barren	Vascular Plants	<i>Salvia urticifolia</i>	Nettle-leaf Sage	E /	G5 / S1	1	0	0	0	0
Barren	Vascular Plants	<i>Silphium pinnatifidum</i>	Tansy Rosinweed	S /	G3Q / S3	1	0	0	0	0
Barren	Vascular Plants	<i>Sporobolus clandestinus</i>	Rough Dropseed	T /	G5 / S2S3	1	0	0	0	0
Barren	Vascular Plants	<i>Symphotrichum pratense</i>	Barrens Silky Aster	S /	G4? / S3	2	0	0	0	0
Barren	Vascular Plants	<i>Trichostema setaceum</i>	Narrowleaved Bluecurls	E /	G5 / S1	2	0	0	0	0
Barren	Vascular Plants	<i>Trifolium reflexum</i>	Buffalo Clover	E /	G3G4 / S1S2	0	1	0	0	0
Barren	Aquatic Snails	<i>Antroselates spiralis</i>	Shaggy Cavesnail	S /	G3 / S2	2	0	0	0	0
Barren	Aquatic Snails	<i>Pleurocera alveare</i>	Rugged Hornsnail	S / SOMC	G3 / S3S4	0	1	0	0	0
Barren	Terrestrial Snails	<i>Helicodiscus notius specus</i>	A Terrestrial Snail	T /	G5T2 / S1	0	1	0	0	0
Barren	Freshwater Mussels	<i>Cyprogenia stegaria</i>	Fanshell	E / LE	G1Q / S1	1	0	0	0	0
Barren	Freshwater Mussels	<i>Epioblasma triquetra</i>	Snuffbox	E / LE	G3 / S1	0	0	1	0	0
Barren	Freshwater Mussels	<i>Fusconaia subrotunda</i>	Longsolid	S /	G3 / S3S4	1	0	0	0	0
Barren	Freshwater Mussels	<i>Lampsilis ovata</i>	Pocketbook	E /	G5 / S1	1	0	0	0	0
Barren	Freshwater Mussels	<i>Pleurobema rubrum</i>	Pyramid Pigtoe	E / SOMC	G2G3 / S1	1	0	0	0	0
Barren	Freshwater Mussels	<i>Quadrula cylindrica cylindrica</i>	Rabbitsfoot	T / LT	G3G4T3 / S2	0	0	0	1	0
Barren	Freshwater Mussels	<i>Villosa ortmanni</i>	Kentucky Creeksnail	T / SOMC	G2 / S2	0	1	1	0	0
Barren	Crustaceans	<i>Barbicambarus cornutus</i>	Bottlebrush Crayfish	S /	G4 / S2	2	1	0	0	1
Barren	Crustaceans	<i>Crangonyx longidactylus</i>	An Amphipod	T /	G2 / S2	0	2	0	0	0
Barren	Crustaceans	<i>Orconectes inermis inermis</i>	Ghost Crayfish	S /	G5T4 / S3	0	1	0	0	0
Barren	Crustaceans	<i>Orconectes pellucidus</i>	Mammoth Cave Crayfish	S / SOMC	G4 / S3	2	5	0	0	0

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Barren	Crustaceans	<i>Palaemonias ganteri</i>	Mammoth Cave Shrimp	E / LE	G1 / S1	3	0	0	0	0
Barren	Crustaceans	<i>Stygobromus vitreus</i>	An Amphipod	S /	G4 / S1	2	0	0	0	0
Barren	Insects	<i>Arrhopalites bimus</i>	A Cave Obligate Springtail	T /	G3G4 / S1S3	0	1	0	0	0
Barren	Insects	<i>Batrisodes henroti</i>	A Cave Obligate Beetle	T /	G2G3 / S2S3	0	4	0	0	0
Barren	Insects	<i>Batrisodes hubrichti</i>	A Cave Obligate Beetle	T /	G1 / S1S2	0	1	0	0	0
Barren	Insects	<i>Erora laeta</i>	Early Hairstreak	T /	GU / S1	0	0	0	1	0
Barren	Insects	<i>Lytrosis permagnaria</i>	A Geometrid Moth	E / SOMC	G3G4 / S1	0	1	0	0	0
Barren	Insects	<i>Pseudanophthalmus pubescens intrepidus</i>	A Cave Obligate Beetle	T /	G3T3 / S2	0	1	0	0	0
Barren	Other Invertebrates	<i>Kleptochthonius hubrichti</i>	A Cave Obligate Pseudoscorpion	T /	G1G2 / S1S2	0	1	0	0	0
Barren	Fishes	<i>Etheostoma maculatum</i>	Spotted Darter	T / SOMC	G2G3 / S2	0	1	0	0	0
Barren	Fishes	<i>Percina macrocephala</i>	Longhead Darter	E / SOMC	G3 / S1	0	5	0	0	0
Barren	Fishes	<i>Phenacobius uranops</i>	Stargazing Minnow	S /	G4 / S2S3	1	4	0	0	0
Barren	Fishes	<i>Thoburnia atripinnis</i>	Blackfin Sucker	S / SOMC	G3 / S2	1	2	1	0	0
Barren	Fishes	<i>Typhlichthys subterraneus</i>	Southern Cavefish	S / SOMC	G4 / S2S3	2	3	0	0	0
Barren	Reptiles	<i>Elaphe guttata</i>	Corn Snake	S /	G5 / S3	1	2	0	0	0
Barren	Reptiles	<i>Eumeces anthracinus</i>	Coal Skink	T /	G5 / S2	0	1	0	0	0
Barren	Reptiles	<i>Eumeces inexpectatus</i>	Southeastern Five-lined Skink	S /	G5 / S3	1	1	0	0	0
Barren	Reptiles	<i>Lampropeltis triangulum elapsoides</i>	Scarlet Kingsnake	S /	G5 / S3	0	1	0	0	0
Barren	Reptiles	<i>Ophisaurus attenuatus longicaudus</i>	Eastern Slender Glass Lizard	T /	G5T5 / S2	1	0	0	0	0
Barren	Reptiles	<i>Pituophis melanoleucus melanoleucus</i>	Northern Pine Snake	E / SOMC	G4T4 / S2	0	1	0	0	0
Barren	Breeding Birds	<i>Accipiter striatus</i>	Sharp-shinned Hawk	S /	G5 / S3B,S4N	1	0	0	0	0
Barren	Breeding Birds	<i>Aimophila aestivalis</i>	Bachman's Sparrow	E / SOMC	G3 / S1B	0	0	0	2	0
Barren	Mammals	<i>Corynorhinus rafinesquii</i>	Rafinesque's Big-eared Bat	S / SOMC	G3G4 / S3	2	0	1	0	0
Barren	Mammals	<i>Myotis grisescens</i>	Gray Myotis	T / LE	G3 / S2	7	1	0	0	0
Barren	Mammals	<i>Myotis sodalis</i>	Indiana Bat	E / LE	G2 / S1S2	0	0	1	0	0
Barren	Mammals	<i>Nycticeius humeralis</i>	Evening Bat	S /	G5 / S3	2	1	0	0	0
Barren	Communities	<i>Acidic mesophytic forest</i>		N /	GNR / S5	1	0	0	0	0

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Barren	Communities	<i>Calcareous mesophytic forest</i>		N/	GNR / S5	1	0	0	0	0
Barren	Communities	<i>Limestone slope glade</i>		S/	GNR / S2S3	1	0	0	0	0
Barren	Communities	<i>Wet depression/sinkhole forest</i>		T/	GNR / S1S2	1	0	0	0	0
Barren County Total:						53	48	5	5	1