

**Report of
Endangered, Threatened, and Special Concern
Plants, Animals, and Natural Communities
for Bell 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
Bell	Mosses	<i>Polytrichum pallidisetum</i>	A Hair Cap Moss	T /	G4 / S2?	1	0	0	0	0
Bell	Vascular Plants	<i>Adlumia fungosa</i>	Allegheny-vine	H /	G4 / SH	0	3	0	0	0
Bell	Vascular Plants	<i>Amianthium muscitoxicum</i>	Fly Poison	E /	G4G5 / S1	1	1	0	0	0
Bell	Vascular Plants	<i>Aralia nudicaulis</i>	Wild Sarsaparilla	T /	G5 / S2S3	1	0	0	0	0
Bell	Vascular Plants	<i>Baptisia tinctoria</i>	Yellow Wild Indigo	T /	G5 / S1S2	0	1	0	0	0
Bell	Vascular Plants	<i>Boykinia aconitifolia</i>	Brook Saxifrage	E /	G4 / S1S2	1	0	0	0	0
Bell	Vascular Plants	<i>Calamagrostis porteri ssp. porteri</i>	Porter's Reedgrass	T /	G4T4 / S2S3	1	0	2	0	0
Bell	Vascular Plants	<i>Calopogon tuberosus</i>	Grass Pink	E /	G5 / S1	0	1	0	0	0
Bell	Vascular Plants	<i>Carex austrocaroliniana</i>	Tarheel Sedge	S /	G4 / S3	1	0	0	0	0
Bell	Vascular Plants	<i>Carex hystericina</i>	Porcupine Sedge	H /	G5 / SH	0	1	0	0	0
Bell	Vascular Plants	<i>Castanea pumila</i>	Allegheny Chinkapin	T /	G5 / S2	0	0	0	3	0
Bell	Vascular Plants	<i>Chelone obliqua var. obliqua</i>	Red Turtlehead	E /	G4T3T4Q / S1	0	1	0	0	0
Bell	Vascular Plants	<i>Chrysosplenium americanum</i>	American Golden-saxifrage	T /	G5 / S2?	1	0	0	0	0
Bell	Vascular Plants	<i>Convallaria montana</i>	American Lily-of-the-valley	E /	G4? / S1	3	0	0	0	0
Bell	Vascular Plants	<i>Corydalis sempervirens</i>	Rock Harlequin	S /	G5 / S3?	8	1	0	0	0
Bell	Vascular Plants	<i>Deschampsia flexuosa</i>	Crinkled Hairgrass	T /	G5 / S2	1	0	0	0	0
Bell	Vascular Plants	<i>Eupatorium steelei</i>	Steele's Joe-pye-weed	T /	G4 / S2	1	0	0	0	0
Bell	Vascular Plants	<i>Gentiana decora</i>	Showy Gentian	S /	G4? / S3	3	0	0	0	0
Bell	Vascular Plants	<i>Houstonia serpyllifolia</i>	Michaux's Bluets	E /	G4? / S1	1	0	0	0	0
Bell	Vascular Plants	<i>Hypericum pseudomaculatum</i>	Large Spotted St. John's-wort	H /	G5? / SH	0	1	0	0	0
Bell	Vascular Plants	<i>Juglans cinerea</i>	White Walnut	T / SOMC	G4 / S2S3	1	0	0	0	0
Bell	Vascular Plants	<i>Lathyrus venosus</i>	Smooth Veiny Peavine	S /	G5 / S2S3	3	0	0	0	0
Bell	Vascular Plants	<i>Liparis loeselii</i>	Loesel's Twayblade	T /	G5 / S2S3	1	0	0	0	0
Bell	Vascular Plants	<i>Listera smallii</i>	Kidney-leaf Twayblade	T /	G4 / S2	2	0	1	0	0
Bell	Vascular Plants	<i>Maianthemum canadense</i>	Wild Lily-of-the-valley	T /	G5 / S2	1	0	0	0	0
Bell	Vascular Plants	<i>Melanopyrum lineare var. latifolium</i>	American Cowwheat	T /	G5T5 / S2	3	0	0	0	0
Bell	Vascular Plants	<i>Monotropsis odorata</i>	Sweet Pinesap	T / SOMC	G3 / S2	2	0	0	0	0
Bell	Vascular Plants	<i>Orontium aquaticum</i>	Golden Club	T /	G5 / S2	1	0	0	0	0
Bell	Vascular Plants	<i>Prosartes maculata</i>	Nodding Mandarin	S /	G3G4 / S3?	2	1	0	0	0

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Bell	Vascular Plants	<i>Pseudognaphalium helleri ssp. micradenium</i>	Small Rabbit-tobacco	H /	G4G5T3? / SH	0	1	0	0	0
Bell	Vascular Plants	<i>Salvia urticifolia</i>	Nettle-leaf Sage	E /	G5 / S1	1	0	0	0	0
Bell	Vascular Plants	<i>Saxifraga michauxii</i>	Michaux's Saxifrage	T /	G4G5 / S2	1	0	0	0	0
Bell	Vascular Plants	<i>Scutellaria saxatilis</i>	Rock Skullcap	T /	G3 / S2S3	1	0	0	0	0
Bell	Vascular Plants	<i>Silene ovata</i>	Ovate Catchfly	E / SOMC	G3 / S1	0	2	1	0	0
Bell	Vascular Plants	<i>Solidago curtisii</i>	Curtis' Goldenrod	S /	G4G5 / S3	1	0	0	0	0
Bell	Vascular Plants	<i>Solidago puberula</i>	Downy Goldenrod	S /	G5 / S2	0	1	0	0	0
Bell	Vascular Plants	<i>Solidago roanensis</i>	Roan Mountain Goldenrod	T /	G4G5 / S1S2	1	0	0	0	0
Bell	Vascular Plants	<i>Trillium undulatum</i>	Painted Trillium	T /	G5 / S2	5	0	0	0	0
Bell	Vascular Plants	<i>Vaccinium erythrocarpum</i>	Southern Mountain Cranberry	E /	G5 / S1?	2	0	0	0	0
Bell	Vascular Plants	<i>Veratrum parviflorum</i>	Appalachian Bunchflower	T /	G4? / S2	3	0	0	0	0
Bell	Vascular Plants	<i>Woodsia scopulina ssp. appalachiana</i>	Appalachian Woodsia	E /	G4 / S1	1	0	0	0	0
Bell	Terrestrial Snails	<i>Anguispira rugoderma</i>	Pine Mountain Tigersnail	E /	G2 / S2	2	2	0	0	0
Bell	Terrestrial Snails	<i>Fumonelix wetherbyi</i>	Clifty Covert	S /	G2G3 / S2	1	1	0	0	0
Bell	Terrestrial Snails	<i>Patera panselenus</i>	Virginia Bladetooth	S /	G3 / S1	0	1	0	0	0
Bell	Freshwater Mussels	<i>Anodontoidea denigratus</i>	Cumberland Papershell	E / SOMC	G1 / S1	1	0	0	1	0
Bell	Freshwater Mussels	<i>Lampsilis ovata</i>	Pocketbook	E /	G5 / S1	0	0	0	1	0
Bell	Crustaceans	<i>Cambarus buntingi</i>	Longclaw Crayfish	S /	G4Q / S3S4	3	4	0	0	0
Bell	Crustaceans	<i>Cambarus parvoculus</i>	Mountain Midget Crayfish	T /	G5 / S2	4	0	0	0	0
Bell	Insects	<i>Callophrys irus</i>	Frosted Elfin	E /	G3 / S1	0	1	0	0	0
Bell	Insects	<i>Calopteryx dimidiata</i>	Sparkling Jewelwing	E /	G5 / S1S2	1	0	0	0	0
Bell	Insects	<i>Cheumatopsyche helma</i>	Helma's Net-spinning Caddisfly	H / SOMC	G3 / SH	0	1	0	0	0
Bell	Insects	<i>Lytrosis permagnaria</i>	A Geometrid Moth	E / SOMC	G3G4 / S1	0	1	0	0	0
Bell	Insects	<i>Manophylax butleri</i>	A Limnephilid Caddisfly	S /	G2 / S2	1	0	0	0	0
Bell	Insects	<i>Polygonia faunus</i>	Green Comma	H /	G5 / SH	0	1	0	0	0
Bell	Insects	<i>Pseudanophthalmus frigidus</i>	Icebox Cave Beetle	T / C	G1 / S1	0	0	1	0	0
Bell	Insects	<i>Stylurus notatus</i>	Elusive Clubtail	E / SOMC	G3 / S1	0	0	0	0	1
Bell	Fishes	<i>Chrosomus cumberlandensis</i>	Blackside Dace	T / LT	G2 / S2	50	2	1	6	0

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Bell	Fishes	<i>Etheostoma sagitta</i>	Cumberland Arrow Darter	S / C	G3 / S3	13	3	2	0	0
Bell	Reptiles	<i>Eumeces anthracinus</i>	Coal Skink	T /	G5 / S2	0	0	0	0	1
Bell	Reptiles	<i>Eumeces inexpectatus</i>	Southeastern Five-lined Skink	S /	G5 / S3	0	2	0	0	0
Bell	Breeding Birds	<i>Aimophila aestivalis</i>	Bachman's Sparrow	E / SOMC	G3 / S1B	0	0	0	1	0
Bell	Breeding Birds	<i>Corvus corax</i>	Common Raven	T /	G5 / S1S2	1	0	0	0	0
Bell	Breeding Birds	<i>Dendroica fusca</i>	Blackburnian Warbler	T /	G5 / S1S2B	1	0	0	0	0
Bell	Breeding Birds	<i>Empidonax minimus</i>	Least Flycatcher	E /	G5 / S1B	2	0	0	0	0
Bell	Breeding Birds	<i>Junco hyemalis</i>	Dark-eyed Junco	S /	G5 / S2S3B,S5N	1	0	0	0	0
Bell	Breeding Birds	<i>Pheucticus ludovicianus</i>	Rose-breasted Grosbeak	S /	G5 / S3S4B	1	0	0	0	0
Bell	Breeding Birds	<i>Picoides borealis</i>	Red-cockaded Woodpecker	X / LE	G3 / SX	0	0	0	1	0
Bell	Breeding Birds	<i>Tyto alba</i>	Barn Owl	S /	G5 / S3	1	0	0	0	0
Bell	Breeding Birds	<i>Vermivora chrysoptera</i>	Golden-winged Warbler	T / SOMC	G4 / S2B	7	3	0	0	0
Bell	Breeding Birds	<i>Wilsonia canadensis</i>	Canada Warbler	S /	G5 / S3B	3	1	0	0	0
Bell	Mammals	<i>Clethrionomys gapperi maurus</i>	Kentucky Red-backed Vole	S / SOMC	G5T3T4 / S3	0	3	0	0	0
Bell	Mammals	<i>Myotis grisescens</i>	Gray Myotis	T / LE	G3 / S2	1	0	0	0	0
Bell	Mammals	<i>Myotis leibii</i>	Eastern Small-footed Myotis	T / SOMC	G1G3 / S2	5	1	0	0	0
Bell	Mammals	<i>Myotis sodalis</i>	Indiana Bat	E / LE	G2 / S1S2	0	0	0	0	1
Bell	Mammals	<i>Sorex cinereus</i>	Cinereus Shrew	S /	G5 / S3	0	1	0	0	0
Bell	Mammals	<i>Spilogale putorius</i>	Eastern Spotted Skunk	S /	G4 / S2S3	0	3	0	0	0
Bell	Mammals	<i>Ursus americanus</i>	American Black Bear	S /	G5 / S2	2	0	0	0	0
Bell	Communities	<i>Appalachian seep/bog</i>		T /	GNR / S1S2	2	0	0	0	0
Bell County Total:						159	46	8	13	3