

**Report of
Endangered, Threatened, and Special Concern
Plants, Animals, and Natural Communities
for Powell 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

USES: 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?)

S3 = Vulnerable

S#Q = Questionable taxonomy

S#B = Rank of breeding population

S4 = Apparently secure

S#T# = Intraspecific taxa

S#N = Rank of non-breeding population

S5 = Secure

SNR = Unranked

S#M = Rank of transient population

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
Powell	Mosses	<i>Herzogiella turfacea</i>		E /	G4G5 / S1?	1	0	0	0	0
Powell	Mosses	<i>Polytrichum piliferum</i>		E /	G5 / S1	1	0	0	0	0
Powell	Vascular Plants	<i>Acer spicatum</i>	Mountain Maple	E /	G5 / S1S2	0	0	1	0	0
Powell	Vascular Plants	<i>Bouteloua curtipendula</i>	Side-oats Grama	S /	G5 / S3?	1	0	0	0	0
Powell	Vascular Plants	<i>Calopogon tuberosus</i>	Grass Pink	E /	G5 / S1	0	2	0	0	0
Powell	Vascular Plants	<i>Cypripedium kentuckiense</i>	Kentucky Lady's-slipper	E / SOMC	G3 / S1S2	1	0	0	0	0
Powell	Vascular Plants	<i>Cypripedium parviflorum</i>	Small Yellow Lady's-slipper	T /	G5 / S2	2	0	1	1	0
Powell	Vascular Plants	<i>Dryopteris carthusiana</i>	Spinulose Wood Fern	S /	G5 / S3	1	0	0	0	0
Powell	Vascular Plants	<i>Juglans cinerea</i>	White Walnut	T / SOMC	G4 / S2S3	1	0	0	0	0
Powell	Vascular Plants	<i>Lilium philadelphicum</i>	Wood Lily	T /	G5 / S2S3	0	0	1	0	0
Powell	Vascular Plants	<i>Liparis loeselii</i>	Loesel's Twayblade	T /	G5 / S2S3	1	0	0	0	0
Powell	Vascular Plants	<i>Lycopodium clavatum</i>	Running Pine	E /	G5 / S1?	1	0	0	0	0
Powell	Vascular Plants	<i>Monotropsis odorata</i>	Sweet Pinesap	T / SOMC	G3 / S2	3	1	1	1	0
Powell	Vascular Plants	<i>Muhlenbergia cuspidata</i>	Plains Muhly	T /	G4 / S2	1	0	0	0	0
Powell	Vascular Plants	<i>Najas gracillima</i>	Thread-like Naiad	S /	G5? / S2S3	1	0	0	0	0
Powell	Vascular Plants	<i>Paxistima canbyi</i>	Canby's Mountain-lover	T / SOMC	G2 / S2	1	0	0	0	0
Powell	Vascular Plants	<i>Physaria globosa</i>	Globe Bladderpod	E / LE	G2 / S1	0	1	0	0	0
Powell	Vascular Plants	<i>Platanthera psycodes</i>	Small Purple-fringed Orchid	E /	G5 / S1	0	0	1	0	0
Powell	Vascular Plants	<i>Poa saltuensis</i>	Drooping Bluegrass	E /	G5 / S1S2	0	2	0	0	0
Powell	Vascular Plants	<i>Polygala cruciata</i>	Crossleaf Milkwort	E /	G5 / S1	1	1	0	0	0
Powell	Vascular Plants	<i>Prenanthes alba</i>	White Rattlesnake-root	E /	G5 / S1	0	1	0	0	0
Powell	Vascular Plants	<i>Prosartes maculata</i>	Nodding Mandarin	S /	G3G4 / S3?	3	0	0	0	0
Powell	Vascular Plants	<i>Rhynchospora recognita</i>	Globe Beaked-rush	S /	G5? / S3	0	1	0	0	0
Powell	Vascular Plants	<i>Sabatia campanulata</i>	Slender Marsh Pink	E /	G5 / S1	1	1	0	0	0
Powell	Vascular Plants	<i>Salix amygdaloides</i>	Peach-leaved Willow	H /	G5 / SH	0	1	0	0	0
Powell	Vascular Plants	<i>Silene ovata</i>	Ovate Catchfly	E / SOMC	G3 / S1	2	0	0	0	0
Powell	Vascular Plants	<i>Solidago albopilosa</i>	White-haired Goldenrod	T / LT	G2 / S2	22	0	2	3	0
Powell	Vascular Plants	<i>Spiranthes ochroleuca</i>	Yellow Nodding Ladies'-tresses	T /	G4 / S2?	0	1	0	0	0

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Powell	Aquatic Snails	<i>Rhodacme elatior</i>	Domed Ancyloid	S /	G1 / S1	0	1	0	0	0
Powell	Freshwater Mussels	<i>Alasmidonta marginata</i>	Elktoe	T / SOMC	G4 / S2	1	0	0	0	0
Powell	Freshwater Mussels	<i>Cyprogenia stegaria</i>	Fanshell	E / LE	G1Q / S1	0	1	0	0	0
Powell	Freshwater Mussels	<i>Epioblasma triquetra</i>	Snuffbox	E / LE	G3 / S1	6	1	0	0	0
Powell	Freshwater Mussels	<i>Simpsonia ambigua</i>	Salamander Mussel	T / SOMC	G3 / S2S3	2	0	0	0	0
Powell	Freshwater Mussels	<i>Villosa lienosa</i>	Little Spectaclecase	S /	G5 / S3S4	0	0	1	1	0
Powell	Insects	<i>Calephelis borealis</i>	Northern Metalmark	T /	G3G4 / S2	0	1	0	1	0
Powell	Insects	<i>Dryobius sexnotatus</i>	Six-banded Longhorn Beetle	T / SOMC	GNR / S2	0	0	0	0	1
Powell	Insects	<i>Erora laeta</i>	Early Hairstreak	T /	GU / S1	1	0	0	0	0
Powell	Insects	<i>Manophylax butleri</i>	A Limnephilid Caddisfly	S /	G2 / S2	4	0	0	0	0
Powell	Insects	<i>Ophiogomphus mainensis</i>	Maine Snaketail	E /	G4 / S1	0	1	0	0	0
Powell	Fishes	<i>Ichthyomyzon fossor</i>	Northern Brook Lamprey	T /	G4 / S2	8	0	0	0	0
Powell	Fishes	<i>Lampetra appendix</i>	American Brook Lamprey	T /	G4 / S2	5	1	0	0	0
Powell	Amphibians	<i>Cryptobranchus alleganiensis alleganiensis</i>	Eastern Hellbender	E / SOMC	G3G4T3T4 / S1	1	0	0	0	0
Powell	Reptiles	<i>Elaphe guttata</i>	Corn Snake	S /	G5 / S3	9	3	0	0	1
Powell	Reptiles	<i>Eumeces anthracinus</i>	Coal Skink	T /	G5 / S2	0	1	0	0	0
Powell	Reptiles	<i>Eumeces inexpectatus</i>	Southeastern Five-lined Skink	S /	G5 / S3	0	0	0	0	1
Powell	Breeding Birds	<i>Cistothorus platensis</i>	Sedge Wren	S /	G5 / S3B	1	0	0	0	0
Powell	Breeding Birds	<i>Picoides borealis</i>	Red-cockaded Woodpecker	X / LE	G3 / SX	0	0	0	1	0
Powell	Mammals	<i>Corynorhinus rafinesquii</i>	Rafinesque's Big-eared Bat	S / SOMC	G3G4 / S3	14	1	0	0	0
Powell	Mammals	<i>Corynorhinus townsendii virginianus</i>	Virginia Big-eared Bat	E / LE	G3G4T2 / S1	9	0	0	0	0
Powell	Mammals	<i>Myotis leibii</i>	Eastern Small-footed Myotis	T / SOMC	G1G3 / S2	2	0	0	0	0
Powell	Mammals	<i>Myotis septentrionalis</i>	Northern Long-Eared Bat	E / LT	G2G3 / S3	2	0	0	0	0
Powell	Mammals	<i>Myotis sodalis</i>	Indiana Bat	E / LE	G2 / S1S2	3	0	0	0	0
Powell	Mammals	<i>Spilogale putorius</i>	Eastern Spotted Skunk	S /	G4 / S2S3	4	0	0	0	0
Powell	Mammals	<i>Ursus americanus</i>	American Black Bear	S /	G5 / S2	1	0	0	0	0

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Powell	Communities	<i>Appalachian mesophytic forest</i>		N/	GNR / S4S5	2	0	0	0	0
Powell	Communities	<i>Bottomland hardwood forest</i>		S/	GNR / S3	2	0	0	0	0
Powell	Communities	<i>Calcareous mesophytic forest</i>		N/	GNR / S5	1	0	0	0	0
Powell	Communities	<i>Hemlock-mixed forest</i>		N/	GNR / S4S5	2	0	0	0	0
Powell County Total:						125	23	8	8	3