

# Rare and Extirpated Biota and Natural Communities of Kentucky

May 2011

## Abstract

The Kentucky State Nature Preserves Commission has updated and revised the lists of rare and extinct or extirpated biota. This is the most current list of statuses available and represents an updated version of the formal list last published in the Journal of the Kentucky Academy of Science in 2010. The list is based on a standard methodology now utilized by NatureServe. Natural communities have been included in this update. The newly revised lists include one lichen, 387 vascular plant and lesser taxa, 346 animal taxa, and 36 natural communities considered rare (Table 1). Nineteen plant and 47 animal taxa are considered extirpated or extinct from Kentucky (Table 2).

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Table 1. Continued.

	Status			Status	
	KSNPC	US		KSNPC	US
<i>Bouteloua curtipendula</i> Side-oats Grama	S	--	<i>Carex roanensis</i> Roan Mountain Sedge	E	--
<i>Boykinia aconitifolia</i> Brook Saxifrage	E	--	<i>Carex seorsa</i> Weak Stellate Sedge	T	--
<i>Cabomba caroliniana</i> Carolina Fanwort	T	--	<i>Carex stipata</i> var. <i>maxima</i> Stalkgrain Sedge	H	--
<i>Calamagrostis canadensis</i> var. <i>macouniana</i> Blue-joint Reedgrass	H	--	<i>Carex straminea</i> Straw Sedge	T	--
<i>Calamagrostis porteri</i> ssp. <i>insperata</i> Bent Reedgrass	E	--	<i>Carex tetanica</i> Rigid Sedge	E	--
<i>Calamagrostis porteri</i> ssp. <i>porteri</i> Porter's Reedgrass	T	--	<i>Carex tonsa</i> var. <i>rugosperma</i> Umbel-like Sedge	T	--
<i>Calamovilfa arcuata</i> Cumberland sandgrass	E	--	<i>Carya aquatica</i> Water Hickory	T	--
<i>Calopogon tuberosus</i> Grass Pink	E	--	<i>Castanea dentata</i> American Chestnut	E	--
<i>Calycanthus floridus</i> var. <i>glaucus</i> Eastern Sweetshrub	T	--	<i>Castanea pumila</i> Allegheny Chinkapin	T	--
<i>Calylophus serrulatus</i> Yellow Evening Primrose	H	--	<i>Castilleja coccinea</i> Scarlet Indian Paintbrush	E	--
<i>Carex aestivalis</i> Summer Sedge	E	--	<i>Cayaponia quinqueloba</i> Five-lobed Cucumber	E	--
<i>Carex alata</i> Broadwing Sedge	T	--	<i>Ceanothus herbaceus</i> Prairie Redroot	T	--
<i>Carex appalachica</i> Appalachian Sedge	T	--	<i>Cheilanthes alabamensis</i> Alabama Lipfern	H	--
<i>Carex atlantica</i> ssp. <i>capillacea</i> Prickly Bog Sedge	E	--	<i>Cheilanthes feei</i> Fee's Lipfern	E	--
<i>Carex austrocaroliniana</i> Tarheel Sedge	S	--	<i>Chelone obliqua</i> var. <i>obliqua</i> Red Turtlehead	E	--
<i>Carex buxbaumii</i> Brown Bog Sedge	H	--	<i>Chelone obliqua</i> var. <i>speciosa</i> Rose Turtlehead	S	--
<i>Carex comosa</i> Bristly Sedge	H	--	<i>Chrysogonum virginianum</i> Green-and-gold	E	--
<i>Carex crawei</i> Crawe's Sedge	S	--	<i>Chrysosplenium americanum</i> American Golden-saxifrage	T	--
<i>Carex crebriflora</i> Coastal Plain Sedge	E	--	<i>Cimicifuga rubifolia</i> Appalachian Bugbane	T	--
<i>Carex decomposita</i> Epiphytic Sedge	T	--	<i>Circaea alpina</i> Small Enchanter's Nightshade	S	--
<i>Carex gigantea</i> Large Sedge	E	--	<i>Clematis catesbyana</i> Satin-curled	H	--
<i>Carex hystericina</i> Porcupine Sedge	H	--	<i>Clematis crispa</i> Blue Jasmine Leather-flower	T	--
<i>Carex jorii</i> Cypress-swamp Sedge	E	--	<i>Collinsonia verticillata</i> Whorled Horse-balm	E	--
<i>Carex juniperorum</i> Juniper Sedge	E	--	<i>Comptonia peregrina</i> Sweet-fern	E	--
<i>Carex leptoneura</i> Finely-nerved Sedge	E	--	<i>Conradina verticillata</i> Cumberland Rosemary	E	LT
<i>Carex pellita</i> Woolly Sedge	H	--	<i>Convallaria montana</i> American Lily-of-the-valley	E	--
<i>Carex reniformis</i> Reniform Sedge	E	--	<i>Corallorhiza maculata</i> Spotted Coralroot	E	--

Table 1. Continued.

	Status			Status	
	KSNPC	US		KSNPC	US
<i>Coreopsis pubescens</i> Star Tickseed	S	--	<i>Eupatorium semiserratum</i> Small-flower Thoroughwort	E	--
<i>Corydalis sempervirens</i> Rock Harlequin	S	--	<i>Eupatorium steelei</i> Steele's Joe-pye-weed	T	--
<i>Cymophyllus fraserianus</i> Fraser's Sedge	E	--	<i>Euphorbia mercurialina</i> Mercury Spurge	T	--
<i>Cyperus plukenetii</i> Plukenet's Cyperus	H	--	<i>Eurybia hemispherica</i> Tennessee Aster	E	--
<i>Cypripedium candidum</i> Small White Lady's-slipper	E	--	<i>Eurybia radula</i> Rough-leaved Aster	E	--
<i>Cypripedium kentuckiense</i> Kentucky Lady's-slipper	E	--	<i>Eurybia saxicastellii</i> Rockcastle Aster	T	--
<i>Cypripedium parviflorum</i> Small Yellow Lady's-slipper	T	--	<i>Fimbristylis puberula</i> Chestnut Sedge	T	--
<i>Dalea purpurea</i> Purple Prairie-clover	S	--	<i>Forestiera ligustrina</i> Upland Privet	T	--
<i>Delphinium carolinianum</i> Carolina Larkspur	T	--	<i>Gaylussacia ursina</i> Bear huckleberry	T	--
<i>Deschampsia cespitosa</i> Tufted Hairgrass	E	--	<i>Gentiana decora</i> Showy Gentian	S	--
<i>Deschampsia flexuosa</i> Crinkled Hairgrass	T	--	<i>Gentiana flavida</i> Yellow Gentian	E	--
<i>Dichanthelium boreale</i> Northern Witchgrass	S	--	<i>Gentiana puberulenta</i> Prairie Gentian	E	--
<i>Didiplis diandra</i> Water-purslane	E	--	<i>Gleditsia aquatica</i> Water Locust	S	--
<i>Dodecatheon frenchii</i> French's Shooting Star	S	--	<i>Glyceria acutiflora</i> Sharp-scaled Manna-grass	E	--
<i>Draba cuneifolia</i> Wedge-leaf Whitlow-grass	E	--	<i>Goodyera repens</i> Lesser rattlesnake-plantain	E	--
<i>Drosera brevifolia</i> Dwarf Sundew	E	--	<i>Gratiola pilosa</i> Shaggy Hedgehyssop	T	--
<i>Drosera intermedia</i> Spoon-leaved Sundew	E	--	<i>Gratiola quartermaniae</i> Quarterman's Hedge-hyssop	H	--
<i>Dryopteris carthusiana</i> Spinulose Wood Fern	S	--	<i>Gratiola viscidula</i> Short's Hedgehyssop	S	--
<i>Echinodorus berteroi</i> Burhead	T	--	<i>Gymnopogon ambiguus</i> Bearded Skeleton-grass	S	--
<i>Echinodorus tenellus</i> var. <i>parvulus</i> Dwarf Burhead	E	--	<i>Gymnopogon brevifolius</i> Shortleaf Skeleton-grass	E	--
<i>Eleocharis flavescens</i> Bright Green Spikerush	S	--	<i>Halesia carolina</i> Common Silverbell	E	--
<i>Elodea nuttallii</i> Western Waterweed	T	--	<i>Hedeoma hispidum</i> Rough Pennyroyal	T	--
<i>Elymus svensonii</i> Svenson's Wildrye	T	--	<i>Helianthemum bicknellii</i> Plains Frostweed	E	--
<i>Eriophorum virginicum</i> Tawny Cotton-grass	E	--	<i>Helianthemum canadense</i> Canada Frostweed	E	--
<i>Eryngium integrifolium</i> Blue-flower Coyote-thistle	E	--	<i>Helianthus eggertii</i> Eggert's Sunflower	T	--
<i>Erythronium rostratum</i> Yellow Troutlily	S	--	<i>Helianthus silphioides</i> Silphium Sunflower	E	--
<i>Eupatorium maculatum</i> Spotted Joe-pye-weed	H	--	<i>Heracleum lanatum</i> Cow-parsnip	H	--

Table 1. Continued.

	Status			Status	
	KSNPC	US		KSNPC	US
<i>Heteranthera dubia</i> Grassleaf Mud-plantain	S	--	<i>Leavenworthia exigua</i> var. <i>laciniata</i> Kentucky Gladecress	E	C
<i>Heteranthera limosa</i> Blue Mud-plantain	S	--	<i>Leavenworthia torulosa</i> Necklace Gladecress	T	--
<i>Heterotheca subaxillaris</i> var. <i>latifolia</i> Broad-leaf Golden-aster	T	--	<i>Lespedeza capitata</i> Round-head Bush-clover	S	--
<i>Hexastylis contracta</i> Southern Heartleaf	E	--	<i>Lespedeza stuevei</i> Tall Bush-clover	T	--
<i>Hieracium longipilum</i> Hairy Hawkweed	T	--	<i>Lesquerella globosa</i> Globe Bladderpod	E	C
<i>Houstonia serpyllifolia</i> Michaux's Bluets	E	--	<i>Lesquerella lescurii</i> Lescur's Bladderpod	H	--
<i>Hydrocotyle americana</i> American Water-pennywort	E	--	<i>Leucothoe recurva</i> Red-twig Doghobble	E	--
<i>Hydrocotyle ranunculoides</i> Floating Pennywort	E	--	<i>Liatris cylindracea</i> Slender Blazingstar	T	--
<i>Hydrolea ovata</i> Ovate Fiddleleaf	E	--	<i>Lilium philadelphicum</i> Wood Lily	T	--
<i>Hydrolea uniflora</i> One-flower Fiddleleaf	E	--	<i>Lilium superbum</i> Turk's Cap Lily	T	--
<i>Hydrophyllum virginianum</i> Eastern Waterleaf	T	--	<i>Limnobiium spongia</i> American Frog's-bit	T	--
<i>Hypericum adpressum</i> Creeping St. John's-wort	H	--	<i>Liparis loeselii</i> Loesel's Twayblade	T	--
<i>Hypericum crux-andreae</i> St. Peter's-wort	T	--	<i>Listera australis</i> Southern Twayblade	H	--
<i>Hypericum pseudomaculatum</i> Large Spotted St. John's-wort	H	--	<i>Listera smallii</i> Kidney-leaf Twayblade	T	--
<i>Iris brevicaulis</i> Zigzag Iris	T	--	<i>Lobelia gattingeri</i> Gattinger's Lobelia	E	--
<i>Iris fulva</i> Copper Iris	E	--	<i>Lobelia nuttallii</i> Nuttall's Lobelia	T	--
<i>Isoetes butleri</i> Butler's Quillwort	E	--	<i>Lonicera dioica</i> var. <i>orientalis</i> Wild Honeysuckle	E	--
<i>Isoetes melanopoda</i> Blackfoot Quillwort	E	--	<i>Lonicera reticulata</i> Grape Honeysuckle	T	--
<i>Juglans cinerea</i> White Walnut	T	--	<i>Ludwigia hirtella</i> Hairy Ludwigia	E	--
<i>Juncus articulatus</i> Jointed Rush	S	--	<i>Lycopodiella appressa</i> Southern Bog Clubmoss	E	--
<i>Juncus elliottii</i> Bog Rush	H	--	<i>Lycopodiella inundata</i> Northern Bog Clubmoss	E	--
<i>Juncus filipendulus</i> Ringseed Rush	T	--	<i>Lycopodium clavatum</i> Running Pine	E	--
<i>Juniperus communis</i> var. <i>depressa</i> Ground Juniper	T	--	<i>Lysimachia terrestris</i> Swamp Candles	E	--
<i>Koeleria macrantha</i> Prairie Junegrass	E	--	<i>Magnolia pyramidata</i> Pyramid Magnolia	H	--
<i>Krigia occidentalis</i> Western Dwarf Dandelion	E	--	<i>Maianthemum canadense</i> Wild Lily-of-the-valley	T	--
<i>Lathyrus palustris</i> Vetchling Peavine	T	--	<i>Maianthemum stellatum</i> Starflower False Solomon's-seal	E	--
<i>Lathyrus venosus</i> Smooth Veiny Peavine	S	--	<i>Malus ioensis</i> Iowa Crabapple	S	--

Table 1. Continued.

	Status			Status	
	KSNPC	US		KSNPC	US
<i>Malvastrum hispidum</i>	T	--	<i>Onosmodium occidentale</i>	E	--
Hispid Falsemallow			Western False Gromwell		
<i>Marshallia grandiflora</i>	E	--	<i>Orobanche ludoviciana</i>	H	--
Barbara's Buttons			Louisiana Broomrape		
<i>Matelea carolinensis</i>	E	--	<i>Orontium aquaticum</i>	T	--
Carolina Anglepod			Golden Club		
<i>Melampyrum lineare</i> var. <i>latifolium</i>	T	--	<i>Oxalis macrantha</i>	H	--
American Cowwheat			Price's Yellow Wood Sorrel		
<i>Melampyrum lineare</i> var. <i>pectinatum</i>	H	--	<i>Parnassia asarifolia</i>	E	--
American Cow-wheat			Kidneyleaf Grass-of-parnassus		
<i>Melanthera nivea</i>	S	--	<i>Parnassia grandifolia</i>	E	--
Snow Squarestem			Large-leaved Grass-of-parnassus		
<i>Melanthium virginicum</i>	E	--	<i>Paronychia argyrocoma</i>	E	--
Virginia Bunchflower			Silverling		
<i>Minuartia cumberlandensis</i>	E	LE	<i>Paspalum boscianum</i>	S	--
Cumberland Sandwort			Bull Paspalum		
<i>Minuartia glabra</i>	T	--	<i>Paxistima canbyi</i>	T	--
Appalachian Sandwort			Canby's Mountain-lover		
<i>Mirabilis albida</i>	H	--	<i>Perideridia americana</i>	T	--
Pale Umbrella-wort			Eastern Yampah		
<i>Monotropsis odorata</i>	T	--	<i>Phacelia ranunculacea</i>	S	--
Sweet Pinesap			Blue Scorpion-weed		
<i>Muhlenbergia bushii</i>	E	--	<i>Philadelphus inodorus</i>	T	--
Bush's Muhly			Mock Orange		
<i>Muhlenbergia cuspidata</i>	T	--	<i>Philadelphus pubescens</i>	E	--
Plains Muhly			Hoary Mock Orange		
<i>Muhlenbergia glabrifloris</i>	S	--	<i>Phlox bifida</i> ssp. <i>bifida</i>	T	--
Hair Grass			Cleft Phlox		
<i>Myriophyllum heterophyllum</i>	S	--	<i>Phlox bifida</i> ssp. <i>stellaria</i>	E	--
Broadleaf Water-milfoil			Starry-cleft Phlox		
<i>Myriophyllum pinnatum</i>	H	--	<i>Platanthera cristata</i>	T	--
Cutleaf Water-milfoil			Yellow-crested Orchid		
<i>Najas gracillima</i>	S	--	<i>Platanthera integrilabia</i>	E	C
Thread-like Naiad			White Fringeless Orchid		
<i>Nemophila aphylla</i>	T	--	<i>Platanthera psycodes</i>	E	--
Small-flower Baby-blue-eyes			Small Purple-fringed Orchid		
<i>Nestronia umbellula</i>	E	--	<i>Poa saltuensis</i>	E	--
Conjurer's-nut			Drooping Bluegrass		
<i>Oclemena acuminata</i>	T	--	<i>Podostemum ceratophyllum</i>	S	--
Whorled Aster			Threadfoot		
<i>Oenothera linifolia</i>	E	--	<i>Pogonia ophioglossoides</i>	E	--
Thread-leaf Sundrops			Rose Pogonia		
<i>Oenothera oakesiana</i>	H	--	<i>Polygala cruciata</i>	E	--
Evening Primrose			Crossleaf Milkwort		
<i>Oenothera perennis</i>	E	--	<i>Polygala nuttallii</i>	H	--
Small Sundrops			Nuttall's Milkwort		
<i>Oenothera triloba</i>	T	--	<i>Polygala paucifolia</i>	E	--
Stemless Evening-primrose			Gaywings		
<i>Oldenlandia uniflora</i>	E	--	<i>Polygala polygama</i>	T	--
Clustered Bluets			Racemed Milkwort		
<i>Onosmodium hispidissimum</i>	E	--	<i>Polymnia laevigata</i>	E	--
Hairy False Gromwell			Tennessee Leafcup		
<i>Onosmodium molle</i>	H	--	<i>Pontederia cordata</i>	T	--
Soft-hairy False-gromwell			Pickerel-weed		

Table 1. Continued.

	Status			Status	
	KSNPC	US		KSNPC	US
<i>Potamogeton amplifolius</i>	E	--	<i>Sabatia campanulata</i>	E	--
Large-leaf Pondweed			Slender Marsh Pink		
<i>Potamogeton illinoensis</i>	S	--	<i>Sagina fontinalis</i>	E	--
Illinois Pondweed			Water Stitchwort		
<i>Potamogeton pulcher</i>	T	--	<i>Sagittaria graminea</i>	T	--
Spotted Pondweed			Grassleaf Arrowhead		
<i>Prenanthes alba</i>	E	--	<i>Sagittaria platyphylla</i>	E	--
White Rattlesnake-root			Delta Arrowhead		
<i>Prenanthes aspera</i>	E	--	<i>Sagittaria rigida</i>	E	--
Rough Rattlesnake-root			Sessile-fruited Arrowhead		
<i>Prenanthes barbata</i>	E	--	<i>Salix amygdaloides</i>	H	--
Barbed Rattlesnake-root			Peach-leaved Willow		
<i>Prenanthes crepidinea</i>	S	--	<i>Salix discolor</i>	H	--
Nodding Rattlesnake-root			Pussy Willow		
<i>Prenanthes racemosa</i>	S	--	<i>Salvia urticifolia</i>	E	--
Glaucous Rattlesnake-root			Nettle-leaf Sage		
<i>Prosartes maculata</i>	S	--	<i>Sambucus racemosa</i> ssp. <i>pubens</i>	E	--
Nodding Mandarin			Red Elderberry		
<i>Pseudognaphalium helleri</i> ssp. <i>micradenium</i>	H	--	<i>Sanguisorba canadensis</i>	E	--
Small Rabbit-tobacco			Canada Burnet		
<i>Psoralidium tenuiflorum</i>	H	--	<i>Saxifraga michauxii</i>	T	--
Few-flowered Scurf-pea			Michaux's Saxifrage		
<i>Ptilimnium capillaceum</i>	T	--	<i>Saxifraga micranthidifolia</i>	E	--
Mock Bishop's-weed			Lettuce-leaf Saxifrage		
<i>Ptilimnium costatum</i>	H	--	<i>Schisandra glabra</i>	E	--
Eastern Mock Bishop's-weed			Bay Starvine		
<i>Ptilimnium nuttallii</i>	E	--	<i>Schizachne purpurascens</i>	T	--
Nuttall's Mock Bishop's-weed			Purple Oat		
<i>Pycnanthemum albescens</i>	H	--	<i>Schoenoplectus hallii</i>	E	--
Whiteleaf Mountainmint			Hall's Bulrush		
<i>Pycnanthemum muticum</i>	E	--	<i>Schoenoplectus heterochaetus</i>	H	--
Blunt Mountainmint			Slender Bulrush		
<i>Quercus ilicifolia</i>	H	--	<i>Schwalbea americana</i>	H	LE
Scrub oak			Chaffseed		
<i>Quercus nigra</i>	T	--	<i>Scirpus expansus</i>	E	--
Water Oak			Woodland Beakrush		
<i>Quercus texana</i>	T	--	<i>Scleria ciliata</i>	E	--
Nuttall's Oak			Fringed Nutrush		
<i>Ranunculus ambigens</i>	S	--	<i>Scutellaria arguta</i>	E	--
Waterplantain Spearwort			Hairy Skullcap		
<i>Rhododendron canescens</i>	E	--	<i>Scutellaria saxatilis</i>	T	--
Hoary Azalea			Rock Skullcap		
<i>Rhynchosia tomentosa</i>	E	--	<i>Sedum telephioides</i>	T	--
Hairy Snoutbean			Allegheny Stonecrop		
<i>Rhynchospora macrostachya</i>	E	--	<i>Sida hermaphrodita</i>	T	--
Tall Beaked-rush			Virginia Mallow		
<i>Rhynchospora recognita</i>	S	--	<i>Silene ovata</i>	E	--
Globe Beaked-rush			Ovate Catchfly		
<i>Ribes americanum</i>	T	--	<i>Silene regia</i>	E	--
Eastern Black Currant			Royal Catchfly		
<i>Rubus canadensis</i>	E	--	<i>Silphium laciniatum</i>	T	--
Smooth Blackberry			Compassplant		
<i>Rudbeckia subtomentosa</i>	E	--	<i>Silphium pinnatifidum</i>	S	--
Sweet Coneflower			Tansy Rosinweed		

Table 1. Continued.

	Status			Status	
	KSNPC	US		KSNPC	US
<i>Silphium wasiotense</i> Appalachian Rosinweed	S	--	<i>Symphyotrichum drummondii</i> var. <i>texanum</i> Hairy Heart-leaved Aster	H	--
<i>Solidago albopilosa</i> White-haired Goldenrod	T	LT	<i>Symphyotrichum pratense</i> Barrens Silky Aster	S	--
<i>Solidago buckleyi</i> Buckley's Goldenrod	S	--	<i>Symphyotrichum priceae</i> White Heath Aster	E	--
<i>Solidago curtisii</i> Curtis' Goldenrod	S	--	<i>Talinum calcaricum</i> Limestone Fameflower	E	--
<i>Solidago gracillima</i> Southern Bog Goldenrod	S	--	<i>Talinum teretifolium</i> Roundleaf Fameflower	E	--
<i>Solidago puberula</i> Downy Goldenrod	S	--	<i>Taxus canadensis</i> Canadian Yew	T	--
<i>Solidago roanensis</i> Roan Mountain Goldenrod	T	--	<i>Tephrosia spicata</i> Spiked Hoary-pea	E	--
<i>Solidago shortii</i> Short's Goldenrod	E	LE	<i>Thaspium pinnatifidum</i> Cutleaf Meadow-parsnip	T	--
<i>Solidago simplex</i> ssp. <i>randii</i> var. <i>racemosa</i> Rand's Goldenrod	S	--	<i>Thermopsis mollis</i> Soft-haired Thermopsis	E	--
<i>Solidago squarrosa</i> Squarrose Goldenrod	H	--	<i>Thuja occidentalis</i> Northern White Cedar	T	--
<i>Sparganium eurycarpum</i> Large Bur-reed	E	--	<i>Torreyochloa pallida</i> Pale Manna Grass	H	--
<i>Sphenopholis pennsylvanica</i> Swamp Wedgescale	S	--	<i>Toxicodendron vernix</i> Poison Sumac	E	--
<i>Spiraea alba</i> Narrow-leaved Meadow-sweet	H	--	<i>Tragia urticifolia</i> Nettle-leaf Noseburn	E	--
<i>Spiraea virginiana</i> Virginia Spiraea	T	LT	<i>Trepocarpus aethusae</i> Trepocarpus	S	--
<i>Spiranthes lucida</i> Shining Ladies'-tresses	T	--	<i>Trichophorum planifolium</i> Bashful Bulrush	E	--
<i>Spiranthes magnicamporum</i> Great Plains Ladies'-tresses	T	--	<i>Trichostema setaceum</i> Narrowleaved Bluecurls	E	--
<i>Spiranthes ochroleuca</i> Yellow Nodding Ladies'-tresses	T	--	<i>Trientalis borealis</i> Northern Starflower	E	--
<i>Spiranthes odorata</i> Sweetscent Ladies'-tresses	E	--	<i>Trifolium reflexum</i> Buffalo Clover	E	--
<i>Sporobolus clandestinus</i> Rough Dropseed	T	--	<i>Trifolium stoloniferum</i> Running Buffalo Clover	T	LE
<i>Sporobolus heterolepis</i> Northern Dropseed	E	--	<i>Trillium nivale</i> Snow Trillium	E	--
<i>Stachys eplingii</i> Epling's Hedgenettle	H	--	<i>Trillium pusillum</i> Least Trillium	E	--
<i>Stellaria longifolia</i> Longleaf Stitchwort	S	--	<i>Trillium undulatum</i> Painted Trillium	T	--
<i>Stenanthium gramineum</i> Eastern Featherbells	T	--	<i>Ulmus serotina</i> September Elm	S	--
<i>Streptopus lanceolatus</i> Rosy Twisted-stalk	E	--	<i>Utricularia macrorhiza</i> Greater Bladderwort	E	--
<i>Styrax grandifolius</i> Bigleaf Snowbell	E	--	<i>Vaccinium erythrocarpum</i> Southern Mountain Cranberry	E	--
<i>Symphoricarpos albus</i> Snowberry	E	--	<i>Vallisneria americana</i> Eelgrass	S	--
<i>Symphyotrichum concolor</i> Eastern Silvery Aster	T	--	<i>Veratrum parviflorum</i> Appalachian Bunchflower	T	--





Table 1. Continued.

	Status			Status	
	KSNPC	US		KSNPC	US
<i>Epioblasma obliquata obliquata</i> Catspaw	E	LE	<i>Bryocamptus morrisoni elegans</i> A Copepod	T	--
<i>Epioblasma torulosa rangiana</i> Northern Riffleshell	E	LE	<i>Caecidotea barri</i> Clifton Cave Isopod	E	--
<i>Epioblasma triquetra</i> Snuffbox	E	PE	<i>Cambarellus puer</i> Swamp Dwarf Crayfish	E	--
<i>Lampsilis abrupta</i> Pink Mucket	E	LE	<i>Cambarellus shufeldtii</i> Cajun Dwarf Crayfish	S	--
<i>Lampsilis ovata</i> Pocketbook	E	--	<i>Cambarus bouchardi</i> Big South Fork Crayfish	E	--
<i>Lasmigona compressa</i> Creek Heelsplitter	E	--	<i>Cambarus buntingi</i> Longclaw Crayfish	S	--
<i>Obovaria retusa</i> Ring Pink	E	LE	<i>Cambarus friaufi</i> Hairy Crayfish	S	--
<i>Pegias fabula</i> Littlewing Pearlymussel	E	LE	<i>Cambarus parvoculus</i> Mountain Midget Crayfish	T	--
<i>Plethobasus cooperianus</i> Orangefoot Pimpleback	E	LE	<i>Cambarus veteranus</i> Big Sandy Crayfish	S	--
<i>Plethobasus cyphus</i> Sheepnose	E	PE	<i>Crangonyx caecus</i> An Amphipod	T	--
<i>Pleurobema clava</i> Clubshell	E	LE	<i>Crangonyx castellanum</i> An Amphipod	E	--
<i>Pleurobema oviforme</i> Tennessee Clubshell	E	--	<i>Crangonyx lewisi</i> Lewis Cave Amphipod	T	--
<i>Pleurobema plenum</i> Rough Pigtoe	E	LE	<i>Crangonyx longidactylus</i> An Amphipod	T	--
<i>Pleurobema rubrum</i> Pyramid Pigtoe	E	--	<i>Crangonyx specus</i> An Amphipod	E	--
<i>Potamilus capax</i> Fat Pocketbook	E	LE	<i>Gammarus bousfieldi</i> Bousfield's Amphipod	E	--
<i>Potamilus purpuratus</i> Bleufer	E	--	<i>Macrobrachium ohione</i> Ohio Shrimp	E	--
<i>Ptychobranchnus subtentum</i> Fluted Kidneyshell	E	C	<i>Orconectes barri</i> Cumberland Plateau Cave Crayfish	T	--
<i>Quadrula cylindrica cylindrica</i> Rabbitsfoot	T	C	<i>Orconectes bisectus</i> Crittenden Crayfish	T	--
<i>Simpsonaias ambigua</i> Salamander Mussel	T	--	<i>Orconectes burri</i> Burr Crayfish	T	--
<i>Toxolasma lividus</i> Purple Lilliput	E	--	<i>Orconectes inermis inermis</i> Ghost Crayfish	S	--
<i>Toxolasma texasiensis</i> Texas Lilliput	E	--	<i>Orconectes jeffersoni</i> Louisville Crayfish	E	--
<i>Villosa lienosa</i> Little Spectaclecase	S	--	<i>Orconectes lancifer</i> Shrimp Crayfish	E	--
<i>Villosa ortmanni</i> Kentucky Creekshell	T	--	<i>Orconectes margorectus</i> Livingston Crayfish	T	--
<i>Villosa trabalis</i> Cumberland Bean	E	LE	<i>Orconectes packardi</i> Appalachian Cave Crayfish	T	--
<i>Villosa vanuxemensis vanuxemensis</i> Mountain Creekshell	T	--	<i>Orconectes palmeri palmeri</i> Gray-Speckled Crayfish	E	--
			<i>Orconectes pellucidus</i> Mammoth Cave Crayfish	S	--
<b>Crustaceans</b>			<i>Orconectes ronaldi</i> Mud River Crayfish	T	--
<i>Barbicambarus cornutus</i> Bottlebrush Crayfish	S	--			

Table 1. Continued.

	Status			Status	
	KSNPC	US		KSNPC	US
<i>Palaemonias ganteri</i>	E	LE	<i>Habrophlebiodes celeteria</i>	H	--
Mammoth Cave Shrimp			A Leptophlebiid Mayfly		
<i>Procambarus viaeviridis</i>	T	--	<i>Hansonoperla hokolesqua</i>	S	--
Vernal Crayfish			Splendid Stone		
<i>Pseudocandona jeanneli</i>	E	--	<i>Litobrancha recurvata</i>	S	--
Jeannel's Cave Ostracod			A Burrowing Mayfly		
<i>Sagittocythere stygia</i>	T	--	<i>Lordithon niger</i>	H	--
An Ectocommensal Ostracod			Black Lordithon Rove Beetle		
<i>Stygobromus vitreus</i>	S	--	<i>Lytrosis permagnaria</i>	E	--
An Amphipod			A Geometrid Moth		
<b>Insects</b>			<i>Maccaffertium bednariki</i>	S	--
			A Heptageniid Mayfly		
<i>Acroneuria hitchcocki</i>	T	--	<i>Manophylax butleri</i>	S	--
Kentucky Stone			A Limnephilid Caddisfly		
<i>Acroneuria kosztarabi</i>	S	--	<i>Mesamia stramineus</i>	E	--
Virginia Stone			Helianthus Leafhopper		
<i>Allocapnia cunninghami</i>	T	--	<i>Nannothemis bella</i>	E	--
Karst Snowfly			Elfin Skimmer		
<i>Amphiagrion saucium</i>	E	--	<i>Nehalennia irene</i>	E	--
Eastern Red Damsel			Sedge Sprite		
<i>Arigomphus maxwelli</i>	T	--	<i>Nixe flowersi</i>	H	--
Bayou Clubtail			A Heptageniid Mayfly		
<i>Arrhopalites altus</i>	T	--	<i>Ophiogomphus aspersus</i>	H	--
A Cave Obligate Springtail			Brook Snaketail		
<i>Arrhopalites bimus</i>	T	--	<i>Ophiogomphus howei</i>	T	--
A Cave Obligate Springtail			Pygmy Snaketail		
<i>Batriasymmodes quisnamus</i>	T	--	<i>Ophiogomphus mainensis</i>	E	--
A Cave Obligate Beetle			Maine Snaketail		
<i>Batrisodes henroti</i>	T	--	<i>Papaipema beeriana</i>	E	--
A Cave Obligate Beetle			Blazing Star Stem Borer		
<i>Batrisodes hubrichti</i>	T	--	<i>Papaipema eryngii</i>	E	--
A Cave Obligate Beetle			Rattlesnake-master Borer Moth		
<i>Calephelis borealis</i>	T	--	<i>Papaipema silphii</i>	E	--
Northern Metalmark			Silphium Borer Moth		
<i>Calephelis muticum</i>	E	--	<i>Papaipema</i> sp. 5	T	--
Swamp Metalmark			Rare Cane Borer Moth		
<i>Callophrys irus</i>	E	--	<i>Papaipema speciosissima</i>	E	--
Frosted Elfin			Osmunda Borer Moth		
<i>Calopteryx dimidiata</i>	E	--	<i>Phyciodes batesii</i>	H	--
Sparkling Jewelwing			Tawny Crescent		
<i>Celithemis verna</i>	H	--	<i>Poanes viator</i>	T	--
Double-ringed Pennant			Broad-winged Skipper		
<i>Cheumatopsyche helma</i>	H	--	<i>Polygonia faunus</i>	H	--
Helma's Net-spinning Caddisfly			Green Comma		
<i>Dannella provonshai</i>	H	--	<i>Polygonia progne</i>	H	--
An Ephemerellid Mayfly			Gray Comma		
<i>Dryobius sexnotatus</i>	T	--	<i>Prairiana kansana</i>	E	--
Six-banded Longhorn Beetle			A Cicadellid Leafhopper		
<i>Erora laeta</i>	T	--	<i>Pseudanophthalmus abditus</i>	T	--
Early Hairstreak			Concealed Cave Beetle		
<i>Euphyes dukesi</i>	S	--	<i>Pseudanophthalmus audax</i>	T	--
Dukes' Skipper			Bold Cave Beetle		
<i>Gomphus hybridus</i>	E	--	<i>Pseudanophthalmus caecus</i>	T	C
Cocoa Clubtail			Clifton Cave Beetle		

Table 1. Continued.

	Status			Status	
	KSNPC	US		KSNPC	US
<i>Pseudanophthalmus calcareus</i> Limestone Cave Beetle	T	--	<i>Soyedina calcarea</i> A Stonefly	E	--
<i>Pseudanophthalmus catoryctos</i> Lesser Adams Cave Beetle	E	--	<i>Speyeria idalia</i> Regal Fritillary	H	--
<i>Pseudanophthalmus cnephosus</i> A Cave Obligate Beetle	T	--	<i>Stylurus notatus</i> Elusive Clubtail	E	--
<i>Pseudanophthalmus conditus</i> Hidden Cave Beetle	T	--	<i>Stylurus scudderi</i> Zebra Clubtail	E	--
<i>Pseudanophthalmus elongatus</i> A Cave Obligate Beetle	S	--	<i>Tomocerus missus</i> A Cave Obligate Springtail	T	--
<i>Pseudanophthalmus exoticus</i> Exotic Cave Beetle	H	--	<i>Traverella lewisi</i> A Leptophlebiid Mayfly	H	--
<i>Pseudanophthalmus frigidus</i> Icebox Cave Beetle	T	C	<i>Tychobythinus hubrichti</i> A Cave Obligate Beetle	T	--
<i>Pseudanophthalmus globiceps</i> Round-headed Cave Beetle	T	--	<b>Other Invertebrates</b>		
<i>Pseudanophthalmus horni</i> Garman's Cave Beetle	S	--	<i>Belba bulbipedata</i> A Cave Obligate Mite	T	--
<i>Pseudanophthalmus hypolithos</i> Ashcamp Cave Beetle	T	--	<i>Galumna alata</i> A Cave Obligate Mite	T	--
<i>Pseudanophthalmus inexpectatus</i> Surprising Cave Beetle	T	--	<i>Geocentrophora cavernicola</i> A Cave Obligate Planarian	T	--
<i>Pseudanophthalmus major</i> Beaver Cave Beetle	T	--	<i>Hesperonemastoma inops</i> A Cave Obligate Harvestman	S	--
<i>Pseudanophthalmus parvus</i> Tatum Cave Beetle	T	C	<i>Kleptochthonius attenuatus</i> A Cave Obligate Pseudoscorpion	T	--
<i>Pseudanophthalmus pholeter</i> Greater Adams Cave Beetle	E	--	<i>Kleptochthonius cerberus</i> A Cave Obligate Pseudoscorpion	S	--
<i>Pseudanophthalmus pubescens intrepidus</i> A Cave Obligate Beetle	T	--	<i>Kleptochthonius erebicus</i> A Cave Obligate Pseudoscorpion	T	--
<i>Pseudanophthalmus puteanus</i> Old Well Cave Beetle	T	--	<i>Kleptochthonius hageni</i> A Cave Obligate Pseudoscorpion	S	--
<i>Pseudanophthalmus rogersae</i> Rogers' Cave Beetle	T	--	<i>Kleptochthonius hubrichti</i> A Cave Obligate Pseudoscorpion	T	--
<i>Pseudanophthalmus scholasticus</i> Scholarly Cave Beetle	T	--	<i>Kleptochthonius microphthalmus</i> A Cave Obligate Pseudoscorpion	T	--
<i>Pseudanophthalmus simulans</i> Cub Run Cave Beetle	T	--	<i>Macrocheles stygius</i> A Cave Obligate Mite	T	--
<i>Pseudanophthalmus solivagus</i> A Cave Obligate Beetle	S	--	<i>Macrocheles troglodytes</i> A Cave Obligate Mite	T	--
<i>Pseudanophthalmus tenebrosus</i> Stevens Creek Cave Beetle	T	--	<i>Pseudotremia amphiorax</i> A Cave Obligate Milliped	T	--
<i>Pseudanophthalmus transfluvialis</i> A Cave Obligate Beetle	S	--	<i>Pseudotremia carterensis</i> A Cave Obligate Milliped	S	--
<i>Pseudanophthalmus troglodytes</i> Louisville Cave Beetle	T	C	<i>Pseudotremia merops</i> A Cave Obligate Milliped	T	--
<i>Pseudosinella espanita</i> A Cave Obligate Springtail	S	--	<i>Pseudotremia spira</i> A Cave Obligate Milliped	T	--
<i>Raptoheptagenia cruentata</i> A Heptageniid Mayfly	H	--	<i>Pseudotremia unca</i> A Cave Obligate Milliped	T	--
<i>Rasvena terna</i> Vermont Sallfly	S	--	<i>Sphalloplana buchanani</i> A Cave Obligate Planarian	T	--
<i>Satyrium favonius ontario</i> Northern Oak Hairstreak	S	--	<i>Tyrannochthonius hypogaeus</i> A Cave Obligate Pseudoscorpion	S	--

Table 1. Continued.

	Status			Status	
	KSNPC	US		KSNPC	US
<b>Fishes</b>					
<i>Acipenser fulvescens</i>	E	--	<i>Fundulus chrysotus</i>	E	--
Lake Sturgeon			Golden Topminnow		
<i>Alosa alabamae</i>	E	--	<i>Fundulus dispar</i>	E	--
Alabama Shad			Starhead Topminnow		
<i>Amblyopsis spelaea</i>	S	--	<i>Hybognathus hayi</i>	E	--
Northern Cavefish			Cypress Minnow		
<i>Ammocrypta clara</i>	E	--	<i>Hybognathus placitus</i>	S	--
Western Sand Darter			Plains Minnow		
<i>Atractosteus spatula</i>	E	--	<i>Hybopsis amnis</i>	E	--
Alligator Gar			Pallid Shiner		
<i>Chrosomusumberlandensis</i>	T	LT	<i>Ichthyomyzon castaneus</i>	S	--
Blackside Dace			Chestnut Lamprey		
<i>Cyprinella camura</i>	E	--	<i>Ichthyomyzon fossor</i>	T	--
Bluntnose Shiner			Northern Brook Lamprey		
<i>Cyprinella venusta</i>	S	--	<i>Ichthyomyzon greeleyi</i>	T	--
Blacktail Shiner			Mountain Brook Lamprey		
<i>Erimystax insignis</i>	E	--	<i>Ictiobus niger</i>	S	--
Blotched Chub			Black Buffalo		
<i>Erimyzon sucetta</i>	T	--	<i>Lampetra appendix</i>	T	--
Lake Chubsucker			American Brook Lamprey		
<i>Esox niger</i>	S	--	<i>Lampetra</i> sp. 1	E	--
Chain Pickerel			Undescribed Terrapin Creek brook lamprey		
<i>Etheostoma chienense</i>	E	LE	<i>Lepomis marginatus</i>	E	--
Relict Darter			Dollar Sunfish		
<i>Etheostoma cinereum</i>	S	--	<i>Lepomis miniatus</i>	T	--
Ashy Darter			Redspotted Sunfish		
<i>Etheostoma fusiforme</i>	E	--	<i>Lota lota</i>	S	--
Swamp Darter			Burbot		
<i>Etheostoma lemniscatum</i>	E	LE	<i>Macrhybopsis gelida</i>	E	--
Tuxedo Darter			Sturgeon Chub		
<i>Etheostoma lynceum</i>	E	--	<i>Macrhybopsis meeki</i>	E	--
Brighteye Darter			Sicklefin Chub		
<i>Etheostoma maculatum</i>	T	--	<i>Menidia beryllina</i>	T	--
Spotted Darter			Inland Silverside		
<i>Etheostoma microlepidum</i>	E	--	<i>Moxostoma poecilurum</i>	E	--
Smallscale Darter			Blacktail Redhorse		
<i>Etheostoma parvipinne</i>	E	--	<i>Nocomis biguttatus</i>	S	--
Goldstripe Darter			Hornyhead Chub		
<i>Etheostoma proeliare</i>	T	--	<i>Notropis albizonatus</i>	E	LE
Cypress Darter			Palezone Shiner		
<i>Etheostoma pyrrhogaster</i>	E	--	<i>Notropis hudsonius</i>	S	--
Firebelly Darter			Spottail Shiner		
<i>Etheostoma sagitta sagitta</i>	S	--	<i>Notropis maculatus</i>	T	--
Cumberland Arrow Darter			Taillight Shiner		
<i>Etheostoma sagitta spilotum</i>	T	C	<i>Notropis</i> sp. 4	E	--
Kentucky Arrow Darter			Sawfin Shiner		
<i>Etheostoma susanae</i>	E	PE	<i>Noturus exilis</i>	E	--
Cumberland Darter			Slender Madtom		
<i>Etheostoma swaini</i>	E	--	<i>Noturus hildebrandi</i>	E	--
Gulf Darter			Least Madtom		
<i>Etheostoma tecumsehi</i>	S	--	<i>Noturus phaeus</i>	E	--
Shawnee Darter			Brown Madtom		
			<i>Noturus stigmatosus</i>	S	--
			Northern Madtom		

Table 1. Continued.

	Status			Status	
	KSNPC	US		KSNPC	US
<i>Percina macrocephala</i> Longhead Darter	E	--	<i>Farancia abacura reinwardtii</i> Western Mud Snake	S	--
<i>Percina squamata</i> Olive Darter	E	--	<i>Lampropeltis triangulum elapsoides</i> Scarlet Kingsnake	S	--
<i>Percopsis omiscomaycus</i> Trout-perch	S	--	<i>Macrochelys temminckii</i> Alligator Snapping Turtle	T	--
<i>Phenacobius uranops</i> Stargazing Minnow	S	--	<i>Nerodia cyclopion</i> Green Water Snake	E	--
<i>Platygobio gracilis</i> Flathead Chub	S	--	<i>Nerodia erythrogaster neglecta</i> Copperbelly Water Snake	S	--
<i>Scaphirhynchus albus</i> Pallid Sturgeon	E	LE	<i>Nerodia fasciata confluens</i> Broad-banded Water Snake	E	--
<i>Thoburnia atripinnis</i> Blackfin Sucker	S	--	<i>Ophisaurus attenuatus longicaudus</i> Eastern Slender Glass Lizard	T	--
<i>Typhlichthys subterraneus</i> Southern Cavefish	S	--	<i>Pituophis melanoleucus melanoleucus</i> Northern Pine Snake	T	--
<i>Umbra limi</i> Central Mudminnow	T	--	<i>Sistrurus miliarius streckeri</i> Western Pygmy Rattlesnake	T	--
<b>Amphibians</b>			<i>Thamnophis proximus proximus</i> Western Ribbon Snake	T	--
<i>Amphiuma tridactylum</i> Three-toed Amphiuma	E	--	<i>Thamnophis sauritus sauritus</i> Eastern Ribbon Snake	S	--
<i>Cryptobranchus alleganiensis alleganiensis</i> Eastern Hellbender	E	--	<b>Breeding Birds</b>		
<i>Eurycea guttolineata</i> Three-lined Salamander	T	--	<i>Accipiter striatus</i> Sharp-shinned Hawk	S	--
<i>Hyla avivoca</i> Bird-voiced Treefrog	S	--	<i>Actitis macularius</i> Spotted Sandpiper	E	--
<i>Hyla gratiosa</i> Barking Treefrog	S	--	<i>Aimophila aestivalis</i> Bachman's Sparrow	E	--
<i>Hyla versicolor</i> Gray Treefrog	S	--	<i>Ammodramus henslowii</i> Henslow's Sparrow	S	--
<i>Plethodon cinereus</i> Redback Salamander	S	--	<i>Anas clypeata</i> Northern Shoveler	E	--
<i>Plethodon wehrlei</i> Wehrle's Salamander	E	--	<i>Anas discors</i> Blue-winged Teal	T	--
<i>Rana areolata circulosa</i> Northern Crawfish Frog	S	--	<i>Ardea alba</i> Great Egret	T	--
<i>Rana pipiens</i> Northern Leopard Frog	S	--	<i>Asio flammeus</i> Short-eared Owl	E	--
<b>Reptiles</b>			<i>Asio otus</i> Long-eared Owl	E	--
<i>Apalone mutica mutica</i> Midland Smooth Softshell	S	--	<i>Bartramia longicauda</i> Upland Sandpiper	H	--
<i>Chrysemys dorsalis</i> Southern Painted Turtle	T	--	<i>Botaurus lentiginosus</i> American Bittern	H	--
<i>Clonophis kirtlandii</i> Kirtland's Snake	T	--	<i>Bubulcus ibis</i> Cattle Egret	S	--
<i>Elaphe guttata</i> Corn Snake	S	--	<i>Certhia americana</i> Brown Creeper	E	--
<i>Eumeces anthracinus</i> Coal Skink	T	--	<i>Chondestes grammacus</i> Lark Sparrow	T	--
<i>Eumeces inexpectatus</i> Southeastern Five-lined Skink	S	--	<i>Circus cyaneus</i> Northern Harrier	T	--

Table 1. Continued.

	Status			Status	
	KSNPC	US		KSNPC	US
<i>Cistothorus platensis</i> Sedge Wren	S	--	<i>Sternula antillarum athalassos</i> Interior Least Tern	T	LE
<i>Corvus corax</i> Common Raven	T	--	<i>Thryomanes bewickii</i> Bewick's Wren	S	--
<i>Corvus ossifragus</i> Fish Crow	S	--	<i>Tyto alba</i> Barn Owl	S	--
<i>Dendroica fusca</i> Blackburnian Warbler	T	--	<i>Vermivora chrysoptera</i> Golden-winged Warbler	T	--
<i>Dolichonyx oryzivorus</i> Bobolink	S	--	<i>Vireo bellii</i> Bell's Vireo	S	--
<i>Egretta caerulea</i> Little Blue Heron	E	--	<i>Wilsonia canadensis</i> Canada Warbler	S	--
<i>Egretta thula</i> Snowy Egret	E	--			
<i>Empidonax minimus</i> Least Flycatcher	E	--	<b>Mammals</b>		
<i>Falco peregrinus</i> Peregrine Falcon	E	--	<i>Clethrionomys gapperi maurus</i> Kentucky Red-backed Vole	S	--
<i>Fulica americana</i> American Coot	E	--	<i>Corynorhinus rafinesquii</i> Rafinesque's Big-eared Bat	S	--
<i>Gallinula chloropus</i> Common Moorhen	T	--	<i>Corynorhinus townsendii virginianus</i> Virginia Big-eared Bat	E	LE
<i>Haliaeetus leucocephalus</i> Bald Eagle	T	--	<i>Mustela nivalis</i> Least Weasel	S	--
<i>Ictinia mississippiensis</i> Mississippi Kite	S	--	<i>Myotis austroriparius</i> Southeastern Myotis	E	--
<i>Ixobrychus exilis</i> Least Bittern	T	--	<i>Myotis grisescens</i> Gray Myotis	T	LE
<i>Junco hyemalis</i> Dark-eyed Junco	S	--	<i>Myotis leibii</i> Eastern Small-footed Myotis	T	--
<i>Lophodytes cucullatus</i> Hooded Merganser	T	--	<i>Myotis sodalis</i> Indiana Bat	E	LE
<i>Nyctanassa violacea</i> Yellow-crowned Night-heron	T	--	<i>Nycticeius humeralis</i> Evening Bat	S	--
<i>Nycticorax nycticorax</i> Black-crowned Night-heron	T	--	<i>Peromyscus gossypinus</i> Cotton Mouse	T	--
<i>Pandion haliaetus</i> Osprey	S	--	<i>Sorex cinereus</i> Cinereus Shrew	S	--
<i>Passerculus sandwichensis</i> Savannah Sparrow	S	--	<i>Sorex dispar blitchi</i> Long-tailed Shrew	E	--
<i>Phalacrocorax auritus</i> Double-crested Cormorant	T	--	<i>Spilogale putorius</i> Eastern Spotted Skunk	S	--
<i>Pheucticus ludovicianus</i> Rose-breasted Grosbeak	S	--	<i>Ursus americanus</i> American Black Bear	S	--
<i>Podilymbus podiceps</i> Pied-billed Grebe	E	--			
<i>Poocetes gramineus</i> Vesper Sparrow	E	--			
<i>Rallus elegans</i> King Rail	E	--			
<i>Riparia riparia</i> Bank Swallow	S	--			
<i>Sitta canadensis</i> Red-breasted Nuthatch	E	--			

<sup>1</sup> Species without English (common) names have not been assigned official names.

Table 1. Continued.

	Status		Status	
	KSNPC	US	KSNPC	US
<b>Natural communities</b>				
Acid seep/bog	S	--		
Appalachian seep/bog	T	--		
Bluegrass mesophytic cane forest	E	--		
Bluegrass woodland	E	--		
Bottomland hardwood forest	S	--		
Bottomland lake	S	--		
Bottomland marsh	T	--		
Bottomland ridge/terrace forest	E	--		
Bottomland slough	T	--		
Calcareous seep/bog	E	--		
Coastal Plain forested acid seep	E	--		
Coastal Plain mesophytic cane forest	T	--		
Coastal Plain slough	T	--		
Cumberland highlands forest	E	--		
Cumberland Mountains pitch pine woodland	E	--		
Cumberland Plateau gravel/cobble bar	E	--		
Cumberland Plateau sandstone glade	E	--		
Cypress (tupelo) swamp	E	--		
Dolomite glade	E	--		
Limestone barrens (open woodland)	T	--		
Limestone flat rock glade	E	--		
Limestone slope glade	S	--		
Limestone/dolomite prairie	E	--		
Sand bar	S	--		
Sandstone barrens (open woodland)	E	--		
Sandstone prairie	E	--		
Shawnee Hills sandstone glade	T	--		
Shrub swamp	T	--		
Sinkhole/depression marsh	E	--		
Sinkhole/depression pond	T	--		
Tallgrass prairie	E	--		
Wet bottomland hardwood forest	T	--		
Wet depression/sinkhole forest	T	--		
Wet meadow	E	--		
Wet prairie	E	--		
Xerohydric flatwoods	E	--		



Table 2. Plants and animals presumed extinct or extirpated from Kentucky.

	US Status <sup>1</sup>		US Status <sup>1</sup>
		<i>Epioblasma flexuosa</i>	--
		Leafshell	
		<i>Epioblasma florentina florentina</i>	LE
		Yellow Blossom	
		<i>Epioblasma haysiana</i>	--
		Acornshell	
		<i>Epioblasma lewisii</i>	--
		Forkshell	
		<i>Epioblasma obliquata perobliqua</i>	LE
		White Catspaw	
		<i>Epioblasma personata</i>	--
		Round Combshell	
		<i>Epioblasma propinqua</i>	--
		Tennessee Riffleshell	
		<i>Epioblasma sampsonii</i>	--
		Wabash Riffleshell	
		<i>Epioblasma stewardsonii</i>	--
		Cumberland Leafshell	
		<i>Epioblasma torulosa torulosa</i>	LE
		Tubercled Blossom	
		<i>Hemistena lata</i>	LE
		Cracking Pearlymussel	
		<i>Leptodea leptodon</i>	LE
		Scaleshell	
		<i>Lexingtonia dolabelloides</i>	C
		Slabside Pearlymussel	
		<i>Plethobasus cicatricosus</i>	LE
		White Wartyback	
		<i>Quadrula fragosa</i>	LE
		Winged Mapleleaf	
		<i>Quadrula tuberosa</i>	--
		Rough Rockshell	
		<i>Villosa fabalis</i>	PE
		Rayed Bean	
		<b>Insects</b>	
		<i>Nicrophorus americanus</i>	LE
		American Burying Beetle	
		<i>Pentagenia robusta</i>	--
		Robust Pentagenian Burrowing Mayfly	
		<b>Fishes</b>	
		<i>Ammocrypta vivax</i>	--
		Scaly Sand Darter	
		<i>Crystallaria cincotta</i>	C
		Diamond Darter	
		<i>Erimystax x-punctatus</i>	--
		Gravel Chub	
		<i>Etheostoma microperca</i>	--
		Least Darter	
		<i>Hemitremia flammea</i>	--
		Flame Chub	
		<i>Ichthyomyzon gagei</i>	--
		Southern Brook Lamprey	
		<i>Moxostoma lacerum</i>	--
		Harelip Sucker	
<b>Plants</b>			
<b>Vascular Plants</b>			
<i>Anemone canadensis</i>	--		
Canada Anemone			
<i>Argyrochosma dealbata</i>	--		
Powdery Cloakfern			
<i>Callirhoe alcaeoides</i>	--		
Clustered Poppy-mallow			
<i>Caltha palustris</i> var. <i>palustris</i>	--		
Marsh Marigold			
<i>Coeloglossum viride</i>	--		
Long-bract Green Orchis			
<i>Cypripedium reginae</i>	--		
Showy Lady's-slipper			
<i>Dryopteris ludoviciana</i>	--		
Southern Shield Wood Fern			
<i>Lysimachia fraseri</i>	--		
Fraser's Loosestrife			
<i>Lysimachia radicans</i>	--		
Trailing Loosestrife			
<i>Monarda punctata</i>	--		
Spotted Bee-balm			
<i>Orbexilum stipulatum</i>	--		
Stipuled Scurf-pea			
<i>Pedicularis lanceolata</i>	--		
Swamp Lousewort			
<i>Physostegia intermedia</i>	--		
Slender Dragon-head			
<i>Plantago cordata</i>	--		
Heart-leaved Plantain			
<i>Polytaenia nuttallii</i>	--		
Prairie Parsley			
<i>Pyrola americana</i>	--		
American Wintergreen			
<i>Saxifraga pensylvanica</i>	--		
Swamp Saxifrage			
<i>Scirpus microcarpus</i>	--		
Small-fruit Bulrush			
<i>Xerophyllum asphodeloides</i>	--		
Eastern Turkeybeard			
<b>Animals</b>			
<b>Freshwater Mussels</b>			
<i>Epioblasma arcaeiformis</i>	--		
Sugarspoon			
<i>Epioblasma biemarginata</i>	--		
Angled Riffleshell			
<i>Epioblasma cincinnatiensis</i>	--		
Cincinnati Riffleshell			

Table 2. Continued.

	US Status <sup>1</sup>	US Status <sup>1</sup>
<i>Moxostoma valenciennesi</i>	--	
Greater Redhorse		
<i>Percina burtoni</i>	--	
Blotchside Logperch		
<b>Reptiles</b>		
<i>Masticophis flagellum flagellum</i>	--	
Coachwhip		
<b>Breeding Birds</b>		
<i>Anhinga anhinga</i>	--	
Anhinga		
<i>Campephilus principalis</i>	LE	
Ivory-billed Woodpecker		
<i>Chlidonias niger</i>	--	
Black Tern		
<i>Conuropsis carolinensis</i>	--	
Carolina Parakeet		
<i>Ectopistes migratorius</i>	--	
Passenger Pigeon		
<i>Elanoides forficatus</i>	--	
Swallow-tailed Kite		
<i>Picoides borealis</i>	LE	
Red-cockaded Woodpecker		
<i>Tympanuchus cupido</i>	--	
Greater Prairie-chicken		
<i>Vermivora bachmanii</i>	LE	
Bachman's Warbler		
<b>Non-Breeding Birds</b>		
<i>Cygnus buccinator</i>	--	
Trumpeter Swan		
<i>Grus americana</i>	LE	
Whooping Crane		
<b>Mammals</b>		
<i>Bos bison</i>	--	
American Bison		
<i>Canis lupus</i>	--	
Gray Wolf		
<i>Canis rufus</i>	LE	
Red Wolf		
<i>Puma concolor cougar</i>	LE	
Eastern Cougar		

<sup>1</sup> The US Status provided here refers to the current status of the taxon under the U.S. Endangered Species Act (USES) as interpreted for its range within the state of Kentucky.

## Status Designations

### (KSNPC) Kentucky State Nature Preserves Commission

**Endangered (E).** A taxon or natural community in danger of extirpation and/or extinction throughout all or a significant part of its range in Kentucky.

**Threatened (T).** A taxon or natural community likely to become endangered within the foreseeable future throughout all or a significant part of its range in Kentucky.

**Special Concern (S).** A taxon or natural community that should be monitored because (1) it exists in a limited geographic area in Kentucky, (2) it may become threatened or endangered due to modification or destruction of habitat, (3) certain characteristics or requirements make it especially vulnerable to specific pressures, (4) experienced researchers have identified other factors that may jeopardize it, or (5) it is thought to be rare or declining in Kentucky but insufficient information exists for assignment to the threatened or endangered status categories.

**Historical (H).** A taxon or natural community that has not been reliably reported in Kentucky since 1990 but is not considered extinct or extirpated---see next designation.

**Extinct/Extirpated.** A taxon for which habitat loss has been pervasive and/or concerted efforts by knowledgeable biologists to collect or observe specimens within appropriate habitat have failed. Extinct species are those that have been eliminated throughout their entire range and extirpated species are those that have been eliminated from a jurisdiction (i.e., nation or state/province).

### (US) Endangered Species Act of 1973

Federal statuses are defined below. Non-breeding birds with a federal status occurring as a migrant or visitor in Kentucky (e.g., *Charadrius melodus*, *Mycteria americana*) are not included within this list.

**Endangered (LE).** ". . . a species in danger of extinction throughout all or a significant portion of its range .." (USFWS 2010a).

**Threatened (LT).** ". . . a species likely to become an endangered species within the foreseeable future throughout all or a significant portion of its range." (USFWS 2010a).

**Candidate (C).** Taxa for which the USFWS has ". . . sufficient information on biological status and threats to propose them as endangered or threatened" (USFWS 2010b).

**Proposed Endangered (PE).** "Species proposed for official listing as endangered." (USFWS 2010a)

**Proposed Threatened (PT).** "Species proposed for official listing as threatened." (USFWS 2010a)

(Note: no natural communities have been assigned a federal status).

## Nomenclature Sources

Sources consulted for the plant and lichen names are: Anderson (1990); Jones (2005); and Esslinger (2009). Sources consulted for the common and scientific names of animals are as follows: gastropods - Hubricht (1985); Turgeon et al. (1998) and Minton and Lydeard (2003); freshwater mussels - Gordon (1995) and Turgeon et al. (1998); crustaceans - Barr (1968); Holsinger (1972); Hobbs (1989); Zhang and Holsinger (2003); Taylor and Schuster (2004); McLaughlin et al. (2005); Taylor et al. (2007); and Buhay and Crandall (2008); insects – Hodges (1983); Barr (1996; 2004); McCafferty (1996); Stark et al. (1998); Needham et al. (2000); Westfall and May (2006); Pelham (2008); NatureServe (2010a); and Morse (2010); fishes - Page and Burr (1991); Nelson et al. (2004), Blanton and Jenkins (2008); Welsh and Wood (2008); Strange and Mayden (2009); and USFWS (2010a); amphibians and reptiles - King and Burke (1989); Collins and Taggart (2002); and Crother (2008); breeding birds - AOU (1998); mammals - Hall (1981), Jones et al. (1992), and Wilson and Reeder (1993).

## Acknowledgements

We would like to extend our appreciation to the following contributors: Brainard Palmer-Ball, Jr. (Kentucky State Nature Preserves Commission, retired), Jerry and Carol Baskin, Thomas C. Barr, Jr. (University of Kentucky, Emeritus), Robert S. Butler and Michael A. Floyd (United States Fish and Wildlife Service), Julian N. Campbell, Ronald R. Cicerello (Kentucky State Nature Preserves Commission, retired), H. Carl Cook, Charles V. Covell, Jr. (McGuire Center for Lepidoptera and Biodiversity), Dan Dourson (Belize Foundation for Research and Environmental Education), David J. Eisenhower and Alan Risk (Morehead State University), Marc Evans (Kentucky State Nature Preserves Commission, retired), Loran D. Gibson, Scott A. Grubbs (Western Kentucky University), Ron Jones (Eastern Kentucky University), James D. Kiser (Stantec Consulting), James B. Layzer (Tennessee Technological University), Julian J. Lewis (Lewis and Associates LLC), Christopher Lorentz (Thomas More College), John R. MacGregor, Monte McGregor, and Matthew R. Thomas (Kentucky Department of Fish and Wildlife Resources), William Martin (Eastern Kentucky University, Emeritus), Landon McKinney, John G. Petranka (National Institute of Environmental Health Sciences), Guenter A. Schuster (Eastern Kentucky University, Emeritus), Christopher A. Taylor (Illinois Natural History Survey), Matthew R. Thomas (Kentucky Department of Fish and Wildlife Resources), and Mark J. Vogel (Kentucky Division of Water).

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