

**Report of  
Endangered, Threatened, and Special Concern  
Plants, Animals, and Natural Communities  
for Ballard 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?)

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 |
| Ballard | Non-Vascular Plants | <i>Phaeophyscia leana</i>                       | Lea's Bog Lichen            | E /      | G2 / S1?    | 2                | 0 | 0 | 0 | 0 |
| Ballard | Vascular Plants     | <i>Armoracia lacustris</i>                      | Lakecress                   | T /      | G4? / S1S2  | 0                | 1 | 0 | 0 | 0 |
| Ballard | Vascular Plants     | <i>Bolboschoenus fluviatilis</i>                | River Bulrush               | E /      | G5 / S1S2   | 1                | 0 | 0 | 0 | 0 |
| Ballard | Vascular Plants     | <i>Cabomba caroliniana</i>                      | Carolina Fanwort            | T /      | G3G5 / S2   | 3                | 1 | 0 | 0 | 0 |
| Ballard | Vascular Plants     | <i>Calamagrostis canadensis var. macouniana</i> | Blue-joint Reedgrass        | H /      | G5T5? / SH  | 0                | 1 | 0 | 0 | 0 |
| Ballard | Vascular Plants     | <i>Carex buxbaumii</i>                          | Brown Bog Sedge             | E /      | G5 / S1     | 0                | 1 | 0 | 0 | 0 |
| Ballard | Vascular Plants     | <i>Carex gigantea</i>                           | Large Sedge                 | E /      | G4 / S1S2   | 0                | 1 | 0 | 0 | 0 |
| Ballard | Vascular Plants     | <i>Carex pellita</i>                            | Woolly Sedge                | H /      | G5 / SH     | 0                | 1 | 0 | 0 | 0 |
| Ballard | Vascular Plants     | <i>Carya aquatica</i>                           | Water Hickory               | T /      | G5 / S2S3   | 3                | 0 | 0 | 0 | 0 |
| Ballard | Vascular Plants     | <i>Clematis crispa</i>                          | Blue Jasmine Leather-flower | T /      | G5 / S2     | 2                | 0 | 0 | 0 | 0 |
| Ballard | Vascular Plants     | <i>Didiplis diandra</i>                         | Water-purslane              | E /      | G5 / S1S2   | 1                | 0 | 0 | 0 | 0 |
| Ballard | Vascular Plants     | <i>Heteranthera limosa</i>                      | Blue Mud-plantain           | S /      | G5 / S2S3   | 1                | 0 | 0 | 0 | 0 |
| Ballard | Vascular Plants     | <i>Heterotheca subaxillaris var. latifolia</i>  | Broad-leaf Golden-aster     | T /      | G5T5 / S2   | 0                | 1 | 0 | 0 | 0 |
| Ballard | Vascular Plants     | <i>Hydrolea uniflora</i>                        | One-flower Fiddleleaf       | E /      | G5 / S1     | 0                | 2 | 1 | 0 | 0 |
| Ballard | Vascular Plants     | <i>Hypericum adpressum</i>                      | Creeping St. John's-wort    | H / SOMC | G3 / SH     | 0                | 1 | 0 | 0 | 0 |
| Ballard | Vascular Plants     | <i>Juncus elliotii</i>                          | Bog Rush                    | H /      | G4G5 / SH   | 0                | 1 | 0 | 0 | 0 |
| Ballard | Vascular Plants     | <i>Limnobium spongia</i>                        | American Frog's-bit         | T /      | G4 / S2S3   | 3                | 2 | 0 | 0 | 0 |
| Ballard | Vascular Plants     | <i>Lysimachia terrestris</i>                    | Swamp Candles               | E /      | G5 / S1     | 2                | 0 | 0 | 0 | 0 |
| Ballard | Vascular Plants     | <i>Melanthera nivea</i>                         | Snow Squarestem             | S /      | G5 / S3?    | 2                | 0 | 0 | 0 | 0 |
| Ballard | Vascular Plants     | <i>Mirabilis albida</i>                         | Pale Umbrella-wort          | H /      | G5 / SH     | 0                | 1 | 0 | 2 | 0 |
| Ballard | Vascular Plants     | <i>Muhlenbergia bushii</i>                      | Bush's Muhly                | E /      | G5 / S1S2   | 0                | 1 | 0 | 0 | 0 |
| Ballard | Vascular Plants     | <i>Phacelia ranunculacea</i>                    | Blue Scorpion-weed          | S /      | G4 / S3     | 1                | 0 | 0 | 0 | 0 |
| Ballard | Vascular Plants     | <i>Potamogeton illinoensis</i>                  | Illinois Pondweed           | S /      | G5 / S2     | 0                | 1 | 0 | 0 | 0 |
| Ballard | Vascular Plants     | <i>Rudbeckia subtomentosa</i>                   | Sweet Coneflower            | E /      | G5 / S1     | 0                | 1 | 0 | 0 | 0 |
| Ballard | Vascular Plants     | <i>Salix amygdaloides</i>                       | Peach-leaved Willow         | H /      | G5 / SH     | 0                | 1 | 0 | 0 | 0 |
| Ballard | Vascular Plants     | <i>Spiraea alba</i>                             | Narrow-leaved Meadow-sweet  | H /      | G5 / SH     | 0                | 0 | 0 | 1 | 0 |
| Ballard | Vascular Plants     | <i>Torreyochloa pallida</i>                     | Pale Manna Grass            | H /      | G5 / SH     | 0                | 2 | 0 | 0 | 0 |
| Ballard | Aquatic Snails      | <i>Lithasia armigera</i>                        | Armored Rocksnail           | S / SOMC | G3G4 / S3S4 | 1                | 1 | 0 | 0 | 0 |
| Ballard | Aquatic Snails      | <i>Lithasia verrucosa</i>                       | Varicose Rocksnail          | S / SOMC | G4Q / S3S4  | 3                | 0 | 0 | 0 | 0 |

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|---------|--------------------|---------------------------------------|------------------------|----------|-------------|------------------|---|---|---|---|
|         |                    |                                       |                        |          |             | E                | H | F | X | U |
| Ballard | Terrestrial Snails | <i>Webbhelix multilineata</i>         | Striped Whitelip       | T /      | G5 / S1S2   | 1                | 0 | 0 | 0 | 0 |
| Ballard | Freshwater Mussels | <i>Lampsilis ovata</i>                | Pocketbook             | E /      | G5 / S1     | 3                | 0 | 0 | 0 | 0 |
| Ballard | Freshwater Mussels | <i>Obovaria retusa</i>                | Ring Pink              | E / LE   | G1 / S1     | 0                | 0 | 0 | 1 | 0 |
| Ballard | Freshwater Mussels | <i>Plethobasus cooperianus</i>        | Orangefoot Pimpleback  | E / LE   | G1 / S1     | 8                | 0 | 0 | 1 | 0 |
| Ballard | Freshwater Mussels | <i>Plethobasus cyphus</i>             | Sheepnose              | E / LE   | G3 / S1     | 6                | 0 | 0 | 0 | 0 |
| Ballard | Freshwater Mussels | <i>Pleurobema rubrum</i>              | Pyramid Pigtoe         | E / SOMC | G2G3 / S1   | 0                | 0 | 0 | 1 | 0 |
| Ballard | Freshwater Mussels | <i>Potamilus purpuratus</i>           | Bleufer                | E /      | G5 / S1     | 1                | 1 | 0 | 0 | 0 |
| Ballard | Freshwater Mussels | <i>Quadrula cylindrica cylindrica</i> | Rabbitsfoot            | T / LT   | G3G4T3 / S2 | 3                | 2 | 0 | 0 | 1 |
| Ballard | Crustaceans        | <i>Cambarellus shufeldtii</i>         | Cajun Dwarf Crayfish   | S /      | G5 / S2     | 1                | 0 | 1 | 0 | 0 |
| Ballard | Crustaceans        | <i>Orconectes lancifer</i>            | Shrimp Crayfish        | E /      | G5 / S1     | 0                | 1 | 0 | 0 | 0 |
| Ballard | Crustaceans        | <i>Orconectes palmeri palmeri</i>     | Gray-Speckled Crayfish | E /      | G5T5 / S1   | 1                | 0 | 0 | 0 | 0 |
| Ballard | Crustaceans        | <i>Procambarus viaeviridis</i>        | Vernal Crayfish        | T /      | G5 / S1     | 1                | 1 | 0 | 0 | 0 |
| Ballard | Insects            | <i>Amphiagrion saucium</i>            | Eastern Red Damsel     | E /      | G5 / S1     | 0                | 1 | 0 | 0 | 0 |
| Ballard | Insects            | <i>Celithemis verna</i>               | Double-ringed Pennant  | H /      | G5 / SH     | 0                | 1 | 0 | 0 | 0 |
| Ballard | Insects            | <i>Euphyes dukesi</i>                 | Dukes' Skipper         | T /      | G3 / S1S2   | 1                | 0 | 0 | 0 | 0 |
| Ballard | Insects            | <i>Papaipema sp. 5</i>                | Rare Cane Borer Moth   | T /      | G1G2 / S2   | 2                | 0 | 0 | 0 | 0 |
| Ballard | Fishes             | <i>Acipenser fulvescens</i>           | Lake Sturgeon          | E / SOMC | G3G4 / S1   | 1                | 0 | 0 | 0 | 0 |
| Ballard | Fishes             | <i>Atractosteus spatula</i>           | Alligator Gar          | E / SOMC | G3G4 / S1   | 0                | 1 | 0 | 0 | 0 |
| Ballard | Fishes             | <i>Cyprinella venusta</i>             | Blacktail Shiner       | S /      | G5 / S3     | 1                | 3 | 0 | 0 | 0 |
| Ballard | Fishes             | <i>Erimyzon sucetta</i>               | Lake Chubsucker        | T /      | G5 / S2     | 2                | 0 | 0 | 0 | 0 |
| Ballard | Fishes             | <i>Esox niger</i>                     | Chain Pickerel         | S /      | G5 / S3     | 3                | 1 | 0 | 0 | 0 |
| Ballard | Fishes             | <i>Etheostoma proeliare</i>           | Cypress Darter         | T /      | G5 / S2     | 4                | 0 | 0 | 0 | 0 |
| Ballard | Fishes             | <i>Hybognathus hayi</i>               | Cypress Minnow         | E /      | G4G5 / S1   | 2                | 0 | 0 | 0 | 0 |
| Ballard | Fishes             | <i>Hybognathus placitus</i>           | Plains Minnow          | S / SOMC | G4 / S1     | 0                | 1 | 0 | 0 | 0 |
| Ballard | Fishes             | <i>Ichthyomyzon castaneus</i>         | Chestnut Lamprey       | S /      | G4 / S2     | 0                | 2 | 0 | 0 | 0 |
| Ballard | Fishes             | <i>Ictiobus niger</i>                 | Black Buffalo          | S /      | G5 / S3     | 5                | 0 | 0 | 0 | 0 |
| Ballard | Fishes             | <i>Lepomis miniatus</i>               | Redspotted Sunfish     | T /      | G5 / S2     | 9                | 2 | 0 | 0 | 0 |
| Ballard | Fishes             | <i>Macrhybopsis gelida</i>            | Sturgeon Chub          | E /      | G3 / S1     | 0                | 1 | 0 | 0 | 0 |

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|---------|-----------------|-------------------------------------|----------------------------|--------------|-------------------------|------------------|---|---|---|---|
|         |                 |                                     |                            |              |                         | E                | H | F | X | U |
| Ballard | Fishes          | <i>Macrhybopsis meeki</i>           | Sicklefin Chub             | E /          | G3 / S1                 | 0                | 1 | 0 | 0 | 0 |
| Ballard | Fishes          | <i>Menidia beryllina</i>            | Inland Silverside          | T /          | G5 / S2                 | 3                | 1 | 0 | 0 | 0 |
| Ballard | Fishes          | <i>Notropis dorsalis</i>            | Bigmouth Shiner            | /            | G5 / S3                 | 1                | 0 | 0 | 0 | 0 |
| Ballard | Fishes          | <i>Notropis hudsonius</i>           | Spottail Shiner            | S /          | G5 / S2                 | 0                | 1 | 0 | 0 | 0 |
| Ballard | Fishes          | <i>Notropis maculatus</i>           | Taillight Shiner           | T /          | G5 / S2S3               | 7                | 4 | 0 | 0 | 0 |
| Ballard | Fishes          | <i>Noturus stigmosus</i>            | Northern Madtom            | S / SOMC     | G3 / S2S3               | 0                | 1 | 0 | 0 | 0 |
| Ballard | Fishes          | <i>Platygobio gracilis</i>          | Flathead Chub              | S / SOMC     | G5 / S1                 | 1                | 1 | 0 | 0 | 0 |
| Ballard | Fishes          | <i>Scaphirhynchus albus</i>         | Pallid Sturgeon            | E / LE       | G2 / S1                 | 0                | 1 | 0 | 0 | 0 |
| Ballard | Amphibians      | <i>Hyla avivoca</i>                 | Bird-voiced Treefrog       | S /          | G5 / S3                 | 0                | 0 | 0 | 1 | 0 |
| Ballard | Amphibians      | <i>Rana areolata circulosa</i>      | Northern Crawfish Frog     | S /          | G4T4 / S3               | 8                | 2 | 0 | 0 | 0 |
| Ballard | Reptiles        | <i>Apalone mutica mutica</i>        | Midland Smooth Softshell   | S /          | G5T5 / S3               | 1                | 0 | 0 | 0 | 0 |
| Ballard | Reptiles        | <i>Farancia abacura reinwardtii</i> | Western Mud Snake          | S /          | G5T5 / S3               | 4                | 2 | 0 | 0 | 1 |
| Ballard | Reptiles        | <i>Macrochelys temminckii</i>       | Alligator Snapping Turtle  | T / SOMC     | G3G4 / S2               | 1                | 0 | 0 | 0 | 0 |
| Ballard | Reptiles        | <i>Thamnophis proximus proximus</i> | Western Ribbon Snake       | T /          | G5T5 / S1S2             | 1                | 0 | 0 | 0 | 0 |
| Ballard | Breeding Birds  | <i>Ardea alba</i>                   | Great Egret                | T /          | G5 / S2B                | 1                | 0 | 0 | 1 | 0 |
| Ballard | Breeding Birds  | <i>Certhia americana</i>            | Brown Creeper              | E /          | G5 /<br>S1S2B,S4S5<br>N | 1                | 0 | 0 | 0 | 0 |
| Ballard | Breeding Birds  | <i>Cistothorus platensis</i>        | Sedge Wren                 | S /          | G5 / S3B                | 1                | 0 | 0 | 0 | 0 |
| Ballard | Breeding Birds  | <i>Corvus ossifragus</i>            | Fish Crow                  | S /          | G5 / S3B                | 3                | 0 | 0 | 0 | 0 |
| Ballard | Breeding Birds  | <i>Haliaeetus leucocephalus</i>     | Bald Eagle                 | T / Delisted | G5 /<br>S2B,S2S3N       | 8                | 0 | 0 | 0 | 0 |
| Ballard | Breeding Birds  | <i>Ictinia mississippiensis</i>     | Mississippi Kite           | S /          | G5 / S2B                | 2                | 0 | 0 | 0 | 0 |
| Ballard | Breeding Birds  | <i>Ixobrychus exilis</i>            | Least Bittern              | T /          | G5 / S1S2B              | 0                | 2 | 0 | 0 | 0 |
| Ballard | Breeding Birds  | <i>Lophodytes cucullatus</i>        | Hooded Merganser           | T /          | G5 /<br>S1S2B,S3S4<br>N | 0                | 1 | 0 | 0 | 0 |
| Ballard | Breeding Birds  | <i>Nyctanassa violacea</i>          | Yellow-crowned Night-heron | T /          | G5 / S2B                | 1                | 0 | 0 | 0 | 0 |
| Ballard | Breeding Birds  | <i>Pandion haliaetus</i>            | Osprey                     | S /          | G5 / S2S3B              | 1                | 0 | 0 | 0 | 0 |
| Ballard | Breeding Birds  | <i>Phalacrocorax auritus</i>        | Double-crested Cormorant   | T /          | G5 / S2B                | 0                | 0 | 0 | 1 | 0 |
| Ballard | Breeding Birds  | <i>Riparia riparia</i>              | Bank Swallow               | S /          | G5 / S3B                | 0                | 0 | 0 | 1 | 0 |

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|------------------------------|-----------------|--|----------------------------|----------|-------------|------------------|-----------|----------|-----------|----------|
|                              |                 |  |                            |          |             | E                | H         | F        | X         | U        |
| Ballard                      | Breeding Birds  | <i>Sternula antillarum athalassos</i>  | Interior Least Tern        | E / LE   | G4T2Q / S2B | 6                | 0         | 0        | 1         | 0        |
| Ballard                      | Mammals         | <i>Corynorhinus rafinesquii</i>        | Rafinesque's Big-eared Bat | S / SOMC | G3G4 / S3   | 4                | 0         | 0        | 0         | 0        |
| Ballard                      | Mammals         | <i>Myotis austroriparius</i>           | Southeastern Myotis        | E / SOMC | G3G4 / S1S2 | 3                | 0         | 0        | 0         | 0        |
| Ballard                      | Mammals         | <i>Myotis septentrionalis</i>          | Northern Long-Eared Bat    | E / LT   | G2G3 / S3   | 5                | 0         | 0        | 0         | 0        |
| Ballard                      | Mammals         | <i>Myotis sodalis</i>                  | Indiana Bat                | E / LE   | G2 / S1S2   | 4                | 0         | 0        | 0         | 0        |
| Ballard                      | Mammals         | <i>Nycticeius humeralis</i>            | Evening Bat                | S /      | G5 / S3     | 9                | 0         | 0        | 0         | 0        |
| Ballard                      | Communities     | <i>Bottomland ridge/terrace forest</i> |                            | E /      | GNR / S1    | 1                | 0         | 0        | 0         | 0        |
| Ballard                      | Communities     | <i>Cypress (tupelo) swamp</i>          |                            | E /      | GNR / S1    | 1                | 0         | 0        | 0         | 0        |
| <b>Ballard County Total:</b> |                 |  |                            |          |             | <b>158</b>       | <b>56</b> | <b>2</b> | <b>11</b> | <b>2</b> |