



**US Army Corps  
of Engineers**

Little Rock District

# **Appendix C**

**Endangered Species Act Compliance  
Federal and State Lists of Threatened and  
Endangered Species and Arkansas  
Natural Heritage Commission Species of  
Conservation Concern**

for

**Beaver Lake  
Proposed Land Acquisition Study**

**July 2023**



## United States Department of the Interior



FISH AND WILDLIFE SERVICE  
Arkansas Ecological Services Field Office  
110 South Amity Suite 300  
Conway, AR 72032-8975  
Phone: (501) 513-4470 Fax: (501) 513-4480

In Reply Refer To:  
Project Code: 2023-0090631  
Project Name: Beaver Lake Proposed Land Acquisition

June 07, 2023

Subject: List of threatened and endangered species that may occur in your proposed project location or may be affected by your proposed project

### To Whom It May Concern:

The enclosed species list identifies threatened, endangered, proposed and candidate species, as well as proposed and final designated critical habitat, that may occur within the boundary of your proposed project and/or may be affected by your proposed project. The species list fulfills the requirements of the U.S. Fish and Wildlife Service (Service) under section 7(c) of the Endangered Species Act (Act) of 1973, as amended (16 U.S.C. 1531 *et seq.*).

New information based on updated surveys, changes in the abundance and distribution of species, changed habitat conditions, or other factors could change this list. Please feel free to contact us if you need more current information or assistance regarding the potential impacts to federally proposed, listed, and candidate species and federally designated and proposed critical habitat. Please note that under 50 CFR 402.12(e) of the regulations implementing section 7 of the Act, the accuracy of this species list should be verified after 90 days. This verification can be completed formally or informally as desired. The Service recommends that verification be completed by visiting the ECOS-IPaC website at regular intervals during project planning and implementation for updates to species lists and information. An updated list may be requested through the ECOS-IPaC system by completing the same process used to receive the enclosed list.

The purpose of the Act is to provide a means whereby threatened and endangered species and the ecosystems upon which they depend may be conserved. Under sections 7(a)(1) and 7(a)(2) of the Act and its implementing regulations (50 CFR 402 *et seq.*), Federal agencies are required to utilize their authorities to carry out programs for the conservation of threatened and endangered species and to determine whether projects may affect threatened and endangered species and/or designated critical habitat.

A Biological Assessment is required for construction projects (or other undertakings having similar physical impacts) that are major Federal actions significantly affecting the quality of the human environment as defined in the National Environmental Policy Act (42 U.S.C. 4332(2)(c)). For projects other than major construction activities, the Service suggests that a biological

evaluation similar to a Biological Assessment be prepared to determine whether the project may affect listed or proposed species and/or designated or proposed critical habitat. Recommended contents of a Biological Assessment are described at 50 CFR 402.12.

If a Federal agency determines, based on the Biological Assessment or biological evaluation, that listed species and/or designated critical habitat may be affected by the proposed project, the agency is required to consult with the Service pursuant to 50 CFR 402. In addition, the Service recommends that candidate species, proposed species and proposed critical habitat be addressed within the consultation. More information on the regulations and procedures for section 7 consultation, including the role of permit or license applicants, can be found in the "Endangered Species Consultation Handbook" at:

<http://www.fws.gov/endangered/esa-library/pdf/TOC-GLOS.PDF>

**Migratory Birds:** In addition to responsibilities to protect threatened and endangered species under the Endangered Species Act (ESA), there are additional responsibilities under the Migratory Bird Treaty Act (MBTA) and the Bald and Golden Eagle Protection Act (BGEPA) to protect native birds from project-related impacts. Any activity, intentional or unintentional, resulting in take of migratory birds, including eagles, is prohibited unless otherwise permitted by the U.S. Fish and Wildlife Service (50 C.F.R. Sec. 10.12 and 16 U.S.C. Sec. 668(a)). For more information regarding these Acts see <https://www.fws.gov/birds/policies-and-regulations.php>.

The MBTA has no provision for allowing take of migratory birds that may be unintentionally killed or injured by otherwise lawful activities. It is the responsibility of the project proponent to comply with these Acts by identifying potential impacts to migratory birds and eagles within applicable NEPA documents (when there is a federal nexus) or a Bird/Eagle Conservation Plan (when there is no federal nexus). Proponents should implement conservation measures to avoid or minimize the production of project-related stressors or minimize the exposure of birds and their resources to the project-related stressors. For more information on avian stressors and recommended conservation measures see <https://www.fws.gov/birds/bird-enthusiasts/threats-to-birds.php>.

In addition to MBTA and BGEPA, Executive Order 13186: *Responsibilities of Federal Agencies to Protect Migratory Birds*, obligates all Federal agencies that engage in or authorize activities that might affect migratory birds, to minimize those effects and encourage conservation measures that will improve bird populations. Executive Order 13186 provides for the protection of both migratory birds and migratory bird habitat. For information regarding the implementation of Executive Order 13186, please visit <https://www.fws.gov/birds/policies-and-regulations/executive-orders/e0-13186.php>.

We appreciate your concern for threatened and endangered species. The Service encourages Federal agencies to include conservation of threatened and endangered species into their project planning to further the purposes of the Act. Please include the Consultation Code in the header of this letter with any request for consultation or correspondence about your project that you submit to our office.

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Attachment(s):

- Official Species List

## **OFFICIAL SPECIES LIST**

This list is provided pursuant to Section 7 of the Endangered Species Act, and fulfills the requirement for Federal agencies to "request of the Secretary of the Interior information whether any species which is listed or proposed to be listed may be present in the area of a proposed action".

This species list is provided by:

**Arkansas Ecological Services Field Office**

110 South Amity Suite 300

Conway, AR 72032-8975

(501) 513-4470

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## PROJECT SUMMARY

Project Code: 2023-0090631

Project Name: Beaver Lake Proposed Land Acquisition

Project Type: Acquisition of Lands

Project Description: The purpose of the Beaver Lake Proposed Land Acquisition Study is to develop and evaluate alternatives to address the frequent inundation of private property during normal lake elevations.

Project Location:

The approximate location of the project can be viewed in Google Maps: <https://www.google.com/maps/@36.200353,-94.01643154091602,14z>



Counties: Arkansas

## ENDANGERED SPECIES ACT SPECIES

There is a total of 16 threatened, endangered, or candidate species on this species list.

Species on this list should be considered in an effects analysis for your project and could include species that exist in another geographic area. For example, certain fish may appear on the species list because a project could affect downstream species.

IPaC does not display listed species or critical habitats under the sole jurisdiction of NOAA Fisheries<sup>1</sup>, as USFWS does not have the authority to speak on behalf of NOAA and the Department of Commerce.

See the "Critical habitats" section below for those critical habitats that lie wholly or partially within your project area under this office's jurisdiction. Please contact the designated FWS office if you have questions.

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1. [NOAA Fisheries](#), also known as the National Marine Fisheries Service (NMFS), is an office of the National Oceanic and Atmospheric Administration within the Department of Commerce.

## MAMMALS

NAME	STATUS
Gray Bat <i>Myotis grisescens</i> No critical habitat has been designated for this species. Species profile: <a href="https://ecos.fws.gov/ecp/species/6329">https://ecos.fws.gov/ecp/species/6329</a>	Endangered
Indiana Bat <i>Myotis sodalis</i> There is <b>final</b> critical habitat for this species. Your location does not overlap the critical habitat. Species profile: <a href="https://ecos.fws.gov/ecp/species/5949">https://ecos.fws.gov/ecp/species/5949</a>	Endangered
Northern Long-eared Bat <i>Myotis septentrionalis</i> No critical habitat has been designated for this species. Species profile: <a href="https://ecos.fws.gov/ecp/species/9045">https://ecos.fws.gov/ecp/species/9045</a>	Endangered
Ozark Big-eared Bat <i>Corynorhinus (=Plecotus) townsendii ingens</i> No critical habitat has been designated for this species. Species profile: <a href="https://ecos.fws.gov/ecp/species/7245">https://ecos.fws.gov/ecp/species/7245</a>	Endangered
Tricolored Bat <i>Perimyotis subflavus</i> No critical habitat has been designated for this species. Species profile: <a href="https://ecos.fws.gov/ecp/species/10515">https://ecos.fws.gov/ecp/species/10515</a>	Proposed Endangered

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**BIRDS**

NAME	STATUS
Eastern Black Rail <i>Laterallus jamaicensis ssp. jamaicensis</i> No critical habitat has been designated for this species. Species profile: <a href="https://ecos.fws.gov/ecp/species/10477">https://ecos.fws.gov/ecp/species/10477</a>	Threatened
Piping Plover <i>Charadrius melodus</i> Population: [Atlantic Coast and Northern Great Plains populations] - Wherever found, except those areas where listed as endangered. There is <b>final</b> critical habitat for this species. Your location does not overlap the critical habitat. Species profile: <a href="https://ecos.fws.gov/ecp/species/6039">https://ecos.fws.gov/ecp/species/6039</a>	Threatened
Red Knot <i>Calidris canutus rufa</i> There is <b>proposed</b> critical habitat for this species. Species profile: <a href="https://ecos.fws.gov/ecp/species/1864">https://ecos.fws.gov/ecp/species/1864</a>	Threatened
Whooping Crane <i>Grus americana</i> Population: U.S.A. (AL, AR, CO, FL, GA, ID, IL, IN, IA, KY, LA, MI, MN, MS, MO, NC, NM, OH, SC, TN, UT, VA, WI, WV, western half of WY) No critical habitat has been designated for this species. Species profile: <a href="https://ecos.fws.gov/ecp/species/758">https://ecos.fws.gov/ecp/species/758</a>	Experimental Population, Non- Essential

**REPTILES**

NAME	STATUS
Alligator Snapping Turtle <i>Macrochelys temminckii</i> No critical habitat has been designated for this species. Species profile: <a href="https://ecos.fws.gov/ecp/species/4658">https://ecos.fws.gov/ecp/species/4658</a>	Proposed Threatened

**FISHES**

NAME	STATUS
Ozark Cavefish <i>Amblyopsis rosae</i> No critical habitat has been designated for this species. Species profile: <a href="https://ecos.fws.gov/ecp/species/6490">https://ecos.fws.gov/ecp/species/6490</a>	Threatened

**CLAMS**

NAME	STATUS
Neosho Mucket <i>Lampsilis rafinesqueana</i> There is <b>final</b> critical habitat for this species. Your location does not overlap the critical habitat. Species profile: <a href="https://ecos.fws.gov/ecp/species/3788">https://ecos.fws.gov/ecp/species/3788</a>	Endangered
Rabbitsfoot <i>Quadrula cylindrica cylindrica</i> There is <b>final</b> critical habitat for this species. Your location does not overlap the critical habitat. Species profile: <a href="https://ecos.fws.gov/ecp/species/5165">https://ecos.fws.gov/ecp/species/5165</a>	Threatened
Snuffbox Mussel <i>Epioblasma triquetra</i> No critical habitat has been designated for this species. Species profile: <a href="https://ecos.fws.gov/ecp/species/4135">https://ecos.fws.gov/ecp/species/4135</a>	Endangered



**INSECTS**

NAME	STATUS
Monarch Butterfly <i>Danaus plexippus</i> No critical habitat has been designated for this species. Species profile: <a href="https://ecos.fws.gov/ecp/species/9743">https://ecos.fws.gov/ecp/species/9743</a>	Candidate

**FLOWERING PLANTS**

NAME	STATUS
Missouri Bladderpod <i>Physaria filiformis</i> No critical habitat has been designated for this species. Species profile: <a href="https://ecos.fws.gov/ecp/species/5361">https://ecos.fws.gov/ecp/species/5361</a>	Threatened

**CRITICAL HABITATS**

THERE ARE NO CRITICAL HABITATS WITHIN YOUR PROJECT AREA UNDER THIS OFFICE'S JURISDICTION.

YOU ARE STILL REQUIRED TO DETERMINE IF YOUR PROJECT(S) MAY HAVE EFFECTS ON ALL ABOVE LISTED SPECIES.

## **IPAC USER CONTACT INFORMATION**

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11/2/2021

**Arkansas Natural Heritage Commission**  
**Division of Arkansas Heritage**  
**Department of Parks, Heritage and Tourism**  
**Elements of Special Concern within Five-mile Radius**  
**Beaver Lake, Arkansas**

Scientific Name	Common Name	Federal Status	State Status	Global Rank	State Rank
<b>Animals-Invertebrates</b>					
<i>Amblyscirtes belli</i>	Bell's Roadside-Skipper	-	INV	G3G4	S3S4
<i>Autochton cellus</i>	Golden Banded-Skipper	-	INV	G4	S2S3
✓★ <i>Caecidotea macropropoda</i>	bat cave isopod	-	INV	G2G3	S2
✓★ <i>Caecidotea steevesi</i>	an isopod	-	INV	G3G4	S1
✓★ <i>Caecidotea stiladactyla</i>	an isopod	-	INV	G3G4	S3
<i>Chlosyne gorgone</i>	Gorgone Checkerspot	-	INV	G5	S3
✓ <i>Crosbyella roeweri</i>	a cave obligate harvestman	-	INV	G1G2	S1
<i>Dendrocoelopsis americana</i>	a cave obligate planarian	-	INV	G2G3	S1
✓★ <i>Faxonius longidigitus</i>	Longpincered Crayfish	-	INV	G3G4	S3S4
<i>Faxonius meeki brevis</i>	Meek's Short Pointed Crayfish	-	INV	G4T3	S3
✓★ <i>Faxonius nana</i>	Midget Crayfish	-	INV	G3	S3
<i>Faxonius williamsi</i>	Williams Crayfish	-	INV	G3	S3
<i>Fusconaia ozarkensis</i>	Ozark Pigtoe	-	INV	G3G4	S3
✓★ <i>Gastrocopta rogersensis</i>	a land snail	-	INV	G3G4	S2
✓★ <i>Heterosternuta sulphuria</i>	Sulphur Springs diving beetle	-	INV	G1?	S1?
✓ <i>Ligidium elrodii</i>	an isopod	-	INV	G4G5	S2
<i>Pleurobema sintoxia</i>	Round Pigtoe	-	INV	G4G5	S3
<i>Polygonia progne</i>	Gray Comma	-	INV	G5	S2S3
<i>Ptychobranchus occidentalis</i>	Ouachita Kidneyshell	-	INV	G3G4	S3
✓★ <i>Stygobromus ozarkensis</i>	Ozark cave amphipod	-	INV	G4	S2
<i>Theliderma cylindrica</i>	Rabbitsfoot	LT	SE	G3G4	S3
<i>Toxolasma lividum</i>	Purple Lilliput	-	INV	G3	S3
<i>Trigenotyia parca</i>	a cave obligate millipede	-	INV	G1G2	S1
<i>Venustaconcha pleasii</i>	Bleedingtooth Mussel	-	INV	G3G4	S3
<i>Villosa iris</i>	Rainbow	-	INV	G5	S3
<b>Animals-Vertebrates</b>					
✓★ <i>Ambystoma annulatum</i>	Ringed Salamander	-	INV	G4	S3
✓★ <i>Carpionodes velifer</i>	highfin carpsucker	-	INV	G4G5	S3
<i>Centronyx henslowii</i>	Henslow's Sparrow	-	INV	G4	S1B,S2N
✓★ <i>Crotaphytus collaris</i>	Eastern Collared Lizard	-	INV	G5	S2
✓★ <i>Crystallaria asprella</i>	crystal darter	-	INV	G3	S2
✓★ <i>Cyprinella camura</i>	blunface shiner	-	INV	G5	SH
✓★ <i>Etheostoma autumnale</i>	autumn darter	-	INV	G4	S3
✓★ <i>Etheostoma mihileze</i>	sunburst darter	-	INV	G4	S3
✓★ <i>Etheostoma teddyroosevelt</i>	highland darter	-	INV	GNR	S3
✓★ <i>Eurycea spelaea sp. A</i>	Grotto Salamander, Eastern Clade	-	INV	G4TNR	S3
✓★ <i>Haliaeetus leucocephalus</i>	Bald Eagle	-	INV	G5	S3B,S4N
<i>Lithobates areolatus</i>	Crawfish Frog	-	INV	G4	S2

Scientific Name	Common Name	Federal Status	State Status	Global Rank	State Rank
✓★ <i>Lithobates sylvaticus</i>	Wood Frog	-	INV	G5	S3
✓★ <i>Myotis grisescens</i>	gray bat	LE	SE	G4	S2S3
<i>Myotis lucifugus</i>	little brown bat	-	SE	G3	S1
✓★ <i>Myotis septentrionalis</i>	northern long-eared bat	LT	SE	G1G2	S1S2
✓★ <i>Myotis sodalis</i>	Indiana bat	LE	SE	G2	S1
<i>Nocomis asper</i>	redspot chub	-	INV	G4	S3
✓★ <i>Notropis ozarcanus</i>	Ozark shiner	-	INV	G3	S3
✓★ <i>Percina evides</i>	gilt darter	-	INV	G4	S3
✓★ <i>Percina nasuta</i>	longnose darter	-	INV	G3	S3
✓★ <i>Plestiodon obsoletus</i>	Great Plains Skink	-	INV	G5	S1
✓★ <i>Polyodon spathula</i>	paddlefish	-	INV	G4	S3
✓ <i>Setophaga cerulea</i>	Cerulean Warbler	-	INV	G4	S3B
✓ <i>Sorex longirostris</i>	southeastern shrew	-	INV	G5	S2
<i>Terrapene ornata</i>	Ornate Box Turtle	-	INV	G5	S2
<i>Thryomanes bewickii</i>	Bewick's Wren	-	INV	G5	S1B,S1S2N
✓★ <i>Troglichthys rosae</i>	Ozark cavefish	LT	SE	G3	S1

### Plants-Vascular

✓★ <i>Acer saccharum var. nigrum</i>	black maple	-	INV	G5T5	S1S2
✓ <i>Allium canadense var. lavendulare</i>	tall pink glade onion	-	INV	G5TNR	S2
<i>Allium cernuum</i>	nodding wild onion	-	INV	G5	SH
✓★ <i>Amorpha canescens</i>	lead-plant	-	INV	G5	S1
✓ <i>Androsace occidentalis</i>	rock-jasmine	-	INV	G5	S1
✓★ <i>Arabis hirsuta var. adpressipilis</i>	hairy rockcress	-	INV	G5T4Q	S1?
✓★ <i>Argyrochosma dealbata</i>	powdery cloak fern	-	INV	G4G5	S2
✓ <i>Artemisia ludoviciana ssp. mexicana</i>	white sagebrush	-	INV	G5T5?	S1S2
✓ <i>Asarum canadense var. acuminatum</i>	taper-tip wild ginger	-	INV	G5TNR	S2
<i>Asclepias incarnata ssp. incarnata</i>	swamp milkweed	-	INV	G5T5	S2
✓ <i>Asclepias stenophylla</i>	narrow-leaf milkweed	-	INV	G4G5	S1
<i>Asplenium pinnatifidum</i>	lobed spleenwort	-	INV	G4	S3
<i>Asplenium x kentuckiense</i>	Kentucky spleenwort	-	INV	GNA	SH
✓★ <i>Brickellia grandiflora</i>	tassel-flower	-	INV	G5	S2
✓ <i>Bromus nottowayanus</i>	satin brome	-	INV	G4G5	S2
✓ <i>Callirhoe bushii</i>	Bush's poppy-mallow	-	INV	G3	S3
<i>Calopogon oklahomensis</i>	Oklahoma grass-pink	-	INV	G3	S2
<i>Carex aggregata</i>	cluster sedge	-	INV	G5	S1
<i>Carex buxbaumii</i>	brown bog sedge	-	INV	G5	S1
✓ <i>Carex careyana</i>	Carey's sedge	-	INV	G4G5	S3
<i>Carex conjuncta</i>	soft fox sedge	-	INV	G4G5	S1
<i>Carex conoidea</i>	open-field sedge	-	INV	G5	S1
<i>Carex emoryi</i>	Emory's sedge	-	INV	G5	S1
✓ <i>Carex gracilescens</i>	slender wood sedge	-	INV	G5?	S2
✓ <i>Carex hirtifolia</i>	hairy sedge	-	INV	G5	S3
✓ <i>Carex hitchcockiana</i>	Hitchcock's sedge	-	INV	G5	S1S2
<i>Carex opaca</i>	opaque prairie sedge	-	SE	G4	S2S3
<i>Carex prasina</i>	drooping sedge	-	INV	G4	SH

Scientific Name	Common Name	Federal Status	State Status	Global Rank	State Rank
✓ <i>Carex scoparia</i> var. <i>scoparia</i>	pointed broom sedge	-	INV	G5T5	S1S2
✓ <i>Carex sparganioides</i>	bur-reed sedge	-	INV	G5	S3
<i>Carex timida</i>	timid sedge	-	INV	G2G4	S2S3
✓ <i>Caulophyllum thalictroides</i>	blue cohosh	-	INV	G5	S2
✓ <i>Collinsia verna</i>	blue-eyed Mary	-	INV	G5	S1
<i>Crataegus palmeri</i>	Palmer's hawthorn	-	INV	GNR	SNR
<i>Crataegus phaenopyrum</i>	Washington hawthorn	-	INV	G4?	S1
✓★ <i>Cuscuta glomerata</i>	rope dodder	-	INV	G5	S1
<i>Cypripedium kentuckiense</i>	Kentucky lady's-slipper	-	INV	G3	S2
✓★ <i>Delphinium treleasei</i>	Trelease's larkspur	-	INV	G3	S3
<i>Diaperia prolifera</i> var. <i>prolifera</i>	big-head rabbit-tobacco	-	INV	G5TNR	S1S3
<i>Dichanthelium roanokense</i>	Roanoke rosette grass	-	INV	G4?	S1
✓ <i>Dirca decipiens</i>	Ozark leatherwood	-	INV	G1G2	S1?
<i>Echinacea paradoxa</i> var. <i>paradoxa</i>	yellow coneflower	-	ST	G3T3	S2
✓ <i>Eleocharis wolfii</i>	Wolf's spike-rush	-	INV	G3G5	S3
✓★ <i>Elymus churchii</i>	Church's wild rye	-	INV	G2G3	S2?
✓★ <i>Elymus glaucus</i> ssp. <i>mackenzii</i>	Mackenzie's blue wild rye	-	INV	G5TNR	S1
✓ <i>Elymus riparius</i>	river-bank wild rye	-	INV	G5	S1S2
<i>Erysimum capitatum</i> var. <i>capitatum</i>	western wallflower	-	INV	G5T5	S2
✓ <i>Erythronium mesochoreum</i>	prairie trout-lily	-	INV	G4G5	S1S2
<i>Euphorbia missurica</i>	Missouri spurge	-	INV	G5	S2
✓ <i>Gentiana alba</i>	pale gentian	-	INV	G4	S1
✓ <i>Gentiana puberulenta</i>	downy gentian	-	INV	G4G5	S2
✓ <i>Gillenia trifoliata</i>	Bowman's-root	-	INV	G4G5	S1
✓ <i>Glandularia bipinnatifida</i> var. <i>bipinnatifida</i>	Dakota vervain	-	INV	G5T5	S2
✓★ <i>Helianthus occidentalis</i> ssp. <i>occidentalis</i>	naked-stem sunflower	-	INV	G5T5	S1S2
✓★ <i>Heuchera villosa</i> var. <i>arkansana</i>	Arkansas alumroot	-	INV	G5T3Q	S3
✓ <i>Humulus lupulus</i> var. <i>pubescens</i>	wild hop	-	INV	G5T4?	S1S2
<i>Juglans cinerea</i>	butternut	-	INV	G3	S3
<i>Koeleria macrantha</i>	prairie June grass	-	INV	G5	S2
✓★ <i>Liatris punctata</i> var. <i>mucronata</i>	dotted gayfeather	-	INV	G5T5	S2
<i>Liatris punctata</i> var. <i>punctata</i>	bottle-brush gayfeather	-	INV	G5T5	SH
<i>Liatris scariosa</i> var. <i>nieuwlandii</i>	northern blazing-star	-	INV	G5?T3T5	S2?
✓ <i>Limnodea arkansana</i>	Ozark grass	-	INV	G4?	S1
✓ <i>Malvastrum hispidum</i>	yellow false mallow	-	INV	G3G5	S2
✓ <i>Mentzelia oligosperma</i>	stick-leaf	-	INV	G4	S1
✓★ <i>Mimulus floribundus</i>	yellow monkey-flower	-	INV	G5	S2S3
<i>Minuartia michauxii</i>	rock sandwort	-	INV	G5	S1
✓ <i>Muhlenbergia bushii</i>	nodding muhly	-	INV	G5	S2
<i>Muhlenbergia glabrifloris</i>	inland muhly	-	INV	G4?	S1
✓★ <i>Nemastylis nuttallii</i>	Nuttall's pleat-leaf	-	INV	G4	S2
<i>Opuntia engelmannii</i> var. <i>lindheimeri</i>	Texas prickly-pear	-	INV	G5T4?	S1
✓ <i>Osmorhiza claytonii</i>	hairy sweet-cicely	-	INV	G5	S1S3
✓ <i>Pediomelum esculentum</i>	large Indian-breadroot	-	INV	G5	S2
<i>Penstemon cobaea</i>	showy beardtongue	-	INV	G4	S3

Scientific Name	Common Name	Federal Status	State Status	Global Rank	State Rank
✓★ <i>Perideridia americana</i>	eastern yampah	-	INV	G4	S2
✓ <i>Phlox amplifolia</i>	broad-leaf phlox	-	INV	G3G5	S1
✓★ <i>Phlox bifida</i>	sand phlox	-	INV	G5?	S3
<i>Phyllanthus polygonoides</i>	knotweed leaf-flower	-	INV	G5	S1
✓★ <i>Physalis missouriensis</i>	Missouri ground-cherry	-	INV	G5?	S1
✓ <i>Physalis pumila</i>	prairie ground-cherry	-	INV	G5	S1
✓★ <i>Physaria filiformis</i>	Missouri bladderpod	LT	INV	G3	S1
<i>Polygala incarnata</i>	pink milkwort	-	INV	G5	S1S2
✓ <i>Prenanthes alba</i>	white rattlesnake-root	-	INV	G5	S1S2
✓ <i>Prenanthes aspera</i>	prairie rattlesnake-root	-	INV	G4?	S2S3
<i>Scleria muehlenbergii</i>	Muhlenberg's nut-rush	-	INV	G5	S1S2
✓ <i>Silene ovata</i>	ovate-leaf catchfly	-	ST	G3	S3
✓ <i>Silene regia</i>	royal catchfly	-	ST	G3	S2
✓ <i>Silphium integrifolium</i> var. <i>laeve</i>	rosinweed	-	INV	G5T4?	S1
✓ <i>Solidago gattingeri</i>	Gattinger's goldenrod	-	INV	G3?Q	S1
<i>Solidago ptarmicoides</i>	white flat-top goldenrod	-	INV	G5	S1S2
✓ <i>Spiranthes magnicamporum</i>	Great Plains ladies'-tresses	-	INV	G3G4	S1S2
✓ <i>Stenanthium gramineum</i>	featherbells	-	INV	G4G5	S3
<i>Symphotrichum pilosum</i> var. <i>pringlei</i>	Pringle's aster	-	INV	G5T5	S1
✓ <i>Symphotrichum sericeum</i>	silvery aster	-	INV	G5	S2
✓ <i>Tradescantia ozarkana</i>	Ozark spiderwort	-	INV	G3	S3
✓ <i>Trichophorum planifolium</i>	bashful bulrush	-	INV	G4G5	S1
<i>Tridens muticus</i> var. <i>elongatus</i>	slim tridens	-	INV	G5T4?	S1
✓ <i>Trillium ozarkanum</i>	Ozark trillium	-	INV	G3	S3
✓★ <i>Ulmus thomasi</i>	rock elm	-	INV	G5	S2
<i>Urtica gracilis</i>	slender nettle	-	INV	G5	S1
<i>Utricularia subulata</i>	zigzag bladderwort	-	INV	G5	S2
✓★ <i>Valerianella ozarkana</i>	Ozark cornsalad	-	INV	G3	S3
✓★ <i>Veratrum woodii</i>	Wood's false hellebore	-	INV	G5	S3
✓ <i>Vitis rupestris</i>	rock grape	-	INV	G3	S1

### Special Elements-Natural Communities

Central Interior Highlands Calcareous Glade and Barrens	-	INV	GNR	S3
Southwest Ozark Prairie and Woodland	-	INV	GNR	S1

### Special Elements-Other

✓★ Colonial nesting site, water birds	-	INV	GNR	SNR
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★ - These elements of special concern have been recorded on Corps managed land at Beaver Lake

✓ - These elements of special concern have been recorded within a one-mile radius of Beaver Lake