

SPECIES OF GREATEST CONSERVATION NEED LIST FOR SD COMPREHENSIVE PLAN

Why was this list developed?

Resource agencies build and maintain a variety of lists. Some have legal implications, such as the state or federal lists of threatened or endangered species. Other lists provide guidance for habitat protection or environmental review. For example, the South Dakota Natural Heritage Program, housed within SDGFP, maintains a list of rare or vulnerable animals and a corresponding list of plants. The Heritage Program lists may include federal or state endangered species, but otherwise the heritage lists have no separate regulatory authority.

Many resource plans include a list of species or habitats that are a high priority for a particular plan. Each of the comprehensive plans that state wildlife agencies are preparing must include a list of species of greatest conservation need as determined at the state level. The following list includes many of the animal species presently monitored by the South Dakota Natural Heritage Program. In addition, SDGFP hopes that implementing the SD Plan will help avoid future federal endangered species listings in the state. For that reason, in addition to including rare species, two additional considerations guided the list development - species for which South Dakota represents a significant portion of the species' overall range and species that are indicative of or depend on a declining or unique habitat in South Dakota. This list was drafted by staff within the South Dakota Natural Heritage Program and includes input from many wildlife experts in the state.

BIRDS					
Scientific name	Common name	Fed.	State	GRank	SRank
<i>Pelecanus erythrorhynchos</i>	American White Pelican			G3	S3B,SZN
<i>Cygnus buccinator</i>	Trumpeter Swan			G4	S3
<i>Pandion haliaetus</i>	Osprey		ST	G5	S1B,SZN
<i>Haliaeetus leucocephalus</i>	Bald Eagle	LT	ST	G4	S1B,S2N
<i>Accipiter gentilis</i>	Northern Goshawk			G5	S3B,S2N
<i>Buteo regalis</i>	Ferruginous Hawk			G4	S4B,SZN
<i>Falco peregrinus</i>	Peregrine Falcon		SE	G4	SXB,SZN
<i>Centrocercus urophasianus</i>	Greater Sage-Grouse			G4	S2
<i>Tympanuchus cupido</i>	Greater Prairie-Chicken			G4	S4
<i>Grus americana</i>	Whooping Crane	LE	SE	G1	SZN
<i>Charadrius melodus</i>	Piping Plover	LT	ST	G3	S2B,SZN
<i>Catoptrophorus semipalmatus</i>	Willet			G5	S5
<i>Numenius americanus</i>	Long-billed Curlew			G5	S3B,SZN
<i>Limosa fedoa</i>	Marbled Godwit			G5	S5
<i>Phalaropus tricolor</i>	Wilson's Phalarope			G5	S4
<i>Sterna antillarum athalassos</i>	Interior Least Tern	LE	SE	G4T2Q	S2B,SZN
<i>Chlidonias niger</i>	Black Tern			G4	S3B,SZN

Scientific name	Common name	Fed.	State	GRank	SRank
<i>Athene cunicularia</i>	Burrowing Owl			G4	S3S4B,SZN
<i>Melanerpes lewis</i>	Lewis's Woodpecker			G4	S3B,S3N
<i>Picoides dorsalis</i>	American Three-toed Woodpecker			G5	S2
<i>Picoides arcticus</i>	Black-backed Woodpecker			G5	S3
<i>Cinclus mexicanus</i>	American dipper		ST	G5	S2
<i>Anthus spragueii</i>	Sprague's Pipit			G4	S2B,SZN
<i>Calamospiza melanocorys</i>	Lark Bunting			G5	S5
<i>Ammodramus bairdii</i>	Baird's Sparrow			G4	S2B,SZN
<i>Ammodramus leconteii</i>	Le Conte's Sparrow			G4	S1S2B,SZN
<i>Junco hyemalis aikeni</i>	White-winged Junco			G5T4	S5
<i>Calcarius ornatus</i>	Chestnut-collared Longspur			G5	S4
MAMMALS					
<i>Myotis thysanodes pahasapensis</i>	fringe-tailed myotis			G4G5T2	S2
<i>Myotis septentrionalis</i>	northern myotis			G4	S3
<i>Corynorhinus townsendii</i>	Townsend's big-eared bat			G4	S2S3
<i>Spermophilus franklinii</i>	Franklin's ground squirrel			G5	S5
<i>Spermophilus richardsonii</i>	Richardson's ground squirrel			G5	S5
<i>Glaucomys sabrinus</i>	northern flying squirrel			G5	S2
<i>Zapus hudsonius campestris</i>	Bear Lodge meadow jumping mouse			G5T3	not ranked
<i>Vulpes velox</i>	kit or swift fox		ST	G3	S1
<i>Mustela nigripes</i>	black-footed ferret	LE	SE	G1	S1
<i>Lontra canadensis</i>	northern river otter		ST	G5	S2
FRESHWATER MUSSELS					
<i>Alasmidonta marginata</i>	elktoe			G4	S1
<i>Arcidens confragosus</i>	rock pocketbook			G4	S1
<i>Lasmigona compressa</i>	creek heelsplitter			G5	S1
<i>Lampsilis higginsii</i>	Higgins eye	LE		G1	S1
<i>Leptodea leptodon</i>	scaleshell	LE		G1	S1
<i>Obovaria olivaria</i>	hickorynut			G4	S1
<i>Quadrula quadrula</i>	mapleleaf			G5	S2
GASTROPODS					
<i>Vertigo arthuri</i>	Dakota vertigo			G2	S2
<i>Vertigo paradoxa</i>	mystery vertigo			G2G4	S1
<i>Catinella gelida</i>	frigid ambersnail			G2	S1
<i>Oreohelix strigosa cooperi</i>	Cooper's rocky mountainsnail			G5T1	S2
INSECTS					
<i>Cicindela lepida</i>	ghost tiger beetle			G4	S1
<i>Amblycheila cylindriformis</i>	Great Plains tiger beetle			G5	S1
<i>Nicrophorus americanus</i>	American burying beetle	LE		G2G3	S1
<i>Oarisma powesheik</i>	Powesheik skipperling			G2	S2
<i>Hesperia ottoe</i>	Ottoe skipper			G3G4	S2
<i>Hesperia dacotae</i>	Dakota skipper	C		G2G3	S2
<i>Atrytone arogos iowa</i>	Iowa skipper			G3G4T3 T4	S2
<i>Speyeria idalia</i>	regal fritillary			G3	S3
<i>Speyeria atlantis pahasapa</i>	Black Hills fritillary			G5T3	S3
FISHES					
<i>Fundulus diaphanus</i>	Banded killifish		SE	G5	S1
<i>Notropis heterolepis</i>	Blacknose shiner		SE	G5	S1

Scientific name	Common name	Fed.	State	GRank	SRank
<i>Umbra limi</i>	Central mudminnow			G5	S1
<i>Phoxinus neogaeus</i>	Finescale dace		SE	G5	S1
<i>Catostomus catostomus</i>	Longnose sucker		ST	G5	S1
<i>Phoxinus eos</i>	Northern redbelly dace		ST	G5	S2
<i>Scaphirhynchus albus</i>	Pallid sturgeon	LE	SE	G1G2	S1
<i>Polyodon spathula</i>	Paddlefish			G4	S4
<i>Margariscus margarita</i>	Pearl dace		ST	G5	S2
<i>Macrhybopsis meeki</i>	Sicklefin chub		ST	G3	S1
<i>Macrhybopsis gelida</i>	Sturgeon chub		ST	G2	S2
<i>Notropis topeka</i>	Topeka shiner	LE		G3	S3
<i>Percopsis omiscomaycus</i>	Trout-perch			G5	S2
<i>Couesius plumbeus</i>	Lake chub			G5	S1
<i>Catostomus platyrhynchus</i>	Mountain sucker			G5	S3
<i>Phoxinus erythrogaster</i>	Southern redbelly dace			G5	S1
<i>Nocomis biguttatus</i>	Hornyhead chub			G5	S3
<i>Notropis rubellus</i>	Rosyface shiner			G5	S2
<i>Percina caprodes</i>	Logperch			G5	S3
<i>Percina maculata</i>	Blackside darter			G5	S2
REPTILES AND AMPHIBIANS					
<i>Emys blandingii</i>	Blanding's Turtle			G4	S1
<i>Graptemys pseudogeographica</i>	False Map Turtle		ST	G5	S3
<i>Tropidoclonion lineatum</i>	Lined Snake		SE	G5	S1
<i>Heterodon platirhinos</i>	Eastern Hognose Snake		ST	G5	S2
<i>Storeria occipitomaculata pahasapae</i>	Black Hills Redbelly Snake			G5T3	S3
<i>Hyla chrysoscelis</i>	Cope's Gray Treefrog			G5	S2
<i>Apalone mutica</i>	Smooth Softshell			G5	S2
<i>Terrapene ornata</i>	Western Box Turtle			G5	S2
<i>Holbrookia maculata</i>	Lesser Earless Lizard			G5	S2
<i>Acris crepitans</i>	Northern Cricket Frog			G5	S1
<i>Eumeces multivirgatus</i>	Many-lined Skink			G5	S1
<i>Phrynosoma hernandesi</i>	Short-horned Lizard			G5	S2

CONSIDERATIONS:

Address broad range of wildlife and associated habitats, with appropriate priority placed on those species of greatest conservation need and taking into account the relative level of funding available for conservation of those species.
Source: IAFWA Guiding Principles document

Criteria for inclusion:

- State and/or federal listed species for which SDGFP has a mandate for recovery
- Species for which South Dakota represents a significant portion of the species' range
- Species that are indicative of or depend on a declining or unique habitat in South Dakota

KEY TO CODES USED IN GRANKS AND SRANKS:

G1 S1 Critically imperiled because of extreme rarity (5 or fewer occurrences or very few remaining individuals or acres) or because of some factor(s) making it especially vulnerable to extinction.

G2 S2 Imperiled because of rarity (6 to 20 occurrences or few remaining individuals or acres) or because of some factor(s) making it very vulnerable to extinction throughout its range.

G3 S3 Either very rare and local throughout its range, or found locally (even abundantly at some of its locations) in a restricted range, or vulnerable to extinction throughout its range because of other factors; in the range of 21 of 100 occurrences.

G4 S4 Apparently secure, though it may be quite rare in parts of its range, especially at the periphery. Cause for long term concern.

G5 S5 Demonstrably secure, though it may be quite rare in parts of its range, especially at the periphery.

GU SU Possibly in peril, but status uncertain, more information needed.

GH SH Historically known, may be rediscovered.

GX SX Believed extinct, historical records only.

_T Rank of subspecies or variety

_Q Taxonomic status is questionable, rank may change with taxonomy

SZ No definable occurrences for conservation purposes, usually assigned to migrants

SP Potential exists for occurrence in the state, but no occurrences

SR Element reported for the state but no persuasive documentation

SA Accidental or casual

Bird species may have two state ranks, one for breeding (S#B) and one for nonbreeding seasons (S#N). Example: Ferruginous Hawk (S3B,SZN) indicates an S3 rank in breeding season and SZ in nonbreeding season.

Subspecies are listed in some cases if the populations are disjunct and may be genetically unique. In addition to being important components of the ecosystems, subspecies can be federally listed if the U.S. Fish and Wildlife Service determines there is justification.