

# Appendix C

## Species in Greatest Conservation Need (SGCN) List for 2015 Update

SGCN are defined as native animals, nongame and game, whose populations are rare, declining, or vulnerable to decline and are below levels desirable to insure their long-term health and stability. Also included are species for which Minnesota has a stewardship responsibility.

All state-listed species and federally listed species that occur in Minnesota are automatically SGCN. Additional non-listed species are SGCN based on specific criteria and expert opinion.

The purpose of the SGCN list is to prioritize species and habitats on which to target conservation strategies and actions that are defined in Minnesota’s 2015–25 Wildlife Action Plan.

The plan, including the SGCN list for 2015, will not be in effect until approval by the US Fish and Wildlife Service in late 2015.

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### Status Key

#### State Status

- The state-listed status is noted to the right of the species common name.
- **END** = A species is considered **endangered (END)** if the species is threatened with extinction throughout all or a significant portion of its range within Minnesota.
- **THR** = A species is considered **threatened (THR)** if the species is likely to become endangered within the foreseeable future throughout all or a significant portion of its range within Minnesota.
- **SPC** = A species is considered a **species of special concern (SPC)** if, although the species is not endangered or threatened, it is extremely uncommon in Minnesota, or has unique or highly specific habitat requirements and deserves careful monitoring of its status. Species on the periphery of their range that are not listed as threatened may be included in this category along with those species that were once threatened or endangered but now have increasing or protected, stable populations.
- **NL = Nonlisted species (NL)** are species that are not included on the state or federal lists.

#### Federal Status

- The status of federally listed species that occur in Minnesota is noted to the left of the species criteria.
- **E**= endangered: A species that is in danger of extinction throughout all or a significant portion of its range.
- **T**= threatened: A species that is likely to become endangered in the foreseeable future throughout all or a significant portion of its range.
- **P**= proposed: A species that is proposed in the Federal Register to be listed under Section 4 of the Endangered Species Act
- **C** = candidate: A species for which the US Fish and Wildlife Service has sufficient information on their biological status and threats to propose them as endangered or threatened under the Endangered Species Act, but for which development of a proposed listing regulation is precluded by other higher priority listing activities.

## Mammals

	Taxa	Scientific name	Common name	State status	Federal status	Criteria (stressors and life-history traits)
1	Mammals	<i>Alces americanus</i>	moose	SPC		habitat loss; disease; need special resources (narrow thermal preferences)
2	Mammals	<i>Cervus canadensis</i>	elk	SPC		state listed; no additional criteria identified
3	Mammals	<i>Cryptotis parva</i>	North American least shrew	SPC		need special resources (narrow thermal preferences); highly localized/restricted distribution
4	Mammals	<i>Eptesicus fuscus</i>	big brown bat	SPC		disease; need special resources (narrow thermal preferences); limited ability to recover (low reproductive rate); aggregate their populations
5	Mammals	<i>Lasionycteris noctivagans</i>	silver-haired bat	NL		habitat fragmentation; limited ability to recover (low reproductive rate)
6	Mammals	<i>Lasiurus borealis</i>	red bat	NL		habitat fragmentation; limited ability to recover (low reproductive rate)
7	Mammals	<i>Lasiurus cinereus</i>	hoary bat	NL		habitat fragmentation; limited ability to recover (low reproductive rate)
8	Mammals	<i>Lepus townsendii</i>	white-tailed jack-rabbit	NL		statistically valid decline documented; extensive surveys indicate a decline of unknown cause
9	Mammals	<i>Lynx canadensis</i>	Canada lynx	SPC	T	habitat degradation; need special resources (narrow thermal preferences); depend on ecological process no longer within NRV
10	Mammals	<i>Microtus ochrogaster</i>	prairie vole	SPC		habitat loss; habitat degradation; invasive species; highly localized/restricted distribution
11	Mammals	<i>Microtus pinetorum</i>	woodland vole	SPC		highly localized/restricted distribution
12	Mammals	<i>Mustela nivalis</i>	least weasel	SPC		highly localized/restricted distribution
13	Mammals	<i>Myotis lucifugus</i>	little brown myotis	SPC		disease; need special resources (narrow thermal preferences); limited ability to recover (low reproductive rate); aggregate their populations
14	Mammals	<i>Myotis septentrionalis</i>	northern long-eared bat	SPC	T	disease; need special resources (narrow thermal preferences); limited ability to recover (low reproductive rate); aggregate their populations
15	Mammals	<i>Onychomys leucogaster</i>	northern grasshopper mouse	SPC		state listed – no additional criteria identified
16	Mammals	<i>Perimyotis subflavus</i>	tri-colored bat	SPC		disease; need special resources (narrow thermal preferences); limited ability to recover (low reproductive rate); aggregate their populations
17	Mammals	<i>Perognathus flavescens</i>	plains pocket mouse	SPC		highly localized/restricted distribution
18	Mammals	<i>Phenacomys ungava</i>	eastern heather vole	SPC		highly localized/restricted distribution
19	Mammals	<i>Poliocitellus franklinii</i>	Franklin's ground squirrel	NL		populations in Minnesota stable, but have declined or are declining in a substantial part of range
20	Mammals	<i>Puma concolor</i>	mountain lion	SPC		state listed; no additional criteria identified
21	Mammals	<i>Reithrodontomys megalotis</i>	western harvest mouse	SPC		state listed; no additional criteria identified
22	Mammals	<i>Sorex fumeus</i>	smoky shrew	SPC		state listed; no additional criteria identified
23	Mammals	<i>Spilogale putorius</i>	eastern spotted skunk	THR		statistically valid decline documented; extensive surveys indicate a decline of unknown cause
24	Mammals	<i>Synaptomys borealis</i>	northern bog lemming	SPC		highly localized/restricted distribution
25	Mammals	<i>Taxidea taxus</i>	American badger	NL		habitat loss; habitat fragmentation
26	Mammals	<i>Thomomys talpoides</i>	northern pocket gopher	THR		habitat loss; deliberate killing; highly localized/restricted distribution
27	Mammals	<i>Urocitellus richardsonii</i>	Richardson's ground squirrel	SPC		habitat loss

## Birds

	Taxa	Scientific name	Common name	State status	Federal status	Criteria (stressors and life-history traits)
1	Birds	<i>Accipiter gentilis</i>	northern goshawk	SPC		habitat fragmentation; requires large home ranges/multiple habitats; depend on large habitat
2	Birds	<i>Aechmophorus occidentalis</i>	western grebe	NL		rare, vulnerable/declining habitat; aggregate their populations
3	Birds	<i>Aegolius funereus</i>	boreal owl	SPC		rare, vulnerable/declining habitat; requires large home ranges/multiple habitats; highly localized/restricted distribution; extensive surveys indicate a decline of unknown cause
4	Birds	<i>Ammodramus bairdii</i>	Baird's sparrow	END		rare, vulnerable/declining habitat
5	Birds	<i>Ammodramus henslowii</i>	Henslow's sparrow	END		rare, vulnerable/declining habitat; habitat loss
6	Birds	<i>Ammodramus leconteii</i>	Le Conte's sparrow	NL		rare, vulnerable/declining habitat; habitat loss
7	Birds	<i>Ammodramus nelsoni</i>	Nelson's sparrow	SPC		rare, vulnerable/declining habitat
8	Birds	<i>Ammodramus saviannarum</i>	grasshopper sparrow	NL		statistically valid decline documented; rare, vulnerable/declining habitat; habitat loss; depend on large habitat
9	Birds	<i>Anas acuta</i>	northern pintail	NL		statistically valid decline documented
10	Birds	<i>Anas rubripes</i>	American black duck	NL		highly localized/restricted distribution
11	Birds	<i>Anthus spragueii</i>	Sprague's pipit	END	C	rare, vulnerable/declining habitat; extensive surveys indicate a decline of unknown cause
12	Birds	<i>Antrostomus vociferus</i>	eastern whip-poor-will	NL		rare, vulnerable/declining habitat; habitat degradation; depend on ecological process no longer within NRV; extensive surveys indicate a decline of unknown cause
13	Birds	<i>Asio flammeus</i>	short-eared owl	SPC		rare, vulnerable/declining habitat; habitat loss
14	Birds	<i>Athene cunicularia</i>	burrowing owl	END		rare, vulnerable/declining habitat; need special resources (narrow thermal preferences)
15	Birds	<i>Aythya affinis</i>	lesser scaup	NL		statistically valid decline documented
16	Birds	<i>Bartramia longicauda</i>	upland sandpiper	NL		statistically valid decline documented; rare, vulnerable/declining habitat
17	Birds	<i>Botaurus lentiginosus</i>	American bittern	NL		statistically valid decline documented
18	Birds	<i>Buteo lineatus</i>	red-shouldered hawk	SPC		habitat degradation; habitat fragmentation; requires large home ranges/multiple habitats
19	Birds	<i>Buteo swainsoni</i>	Swainson's hawk	NL		rare, vulnerable/declining habitat
20	Birds	<i>Calcarius ornatus</i>	chestnut-collared longspur	END		rare, vulnerable/declining habitat; highly localized/restricted distribution
21	Birds	<i>Calidris canutus rufa</i>	rufa red knot		T	federally listed, no additional criteria identified
22	Birds	<i>Calidris pusilla</i>	semipalmated sandpiper	NL		migrating populations congregating in Minnesota represent a significant portion of the North American population
23	Birds	<i>Catharus fuscescens</i>	veery	NL		statistically valid decline documented; Minnesota population represents significant portion of their North American breeding or wintering population
24	Birds	<i>Chaetura pelagica</i>	chimney swift	NL		statistically valid decline documented
25	Birds	<i>Charadrius melodus</i>	piping plover	END	E/T	rare, vulnerable/declining habitat; habitat loss; highly localized/restricted distribution
26	Birds	<i>Chlidonias niger</i>	black tern	NL		statistically valid decline documented; rare, vulnerable/declining habitat
27	Birds	<i>Chondestes grammacus</i>	lark sparrow	SPC		rare, vulnerable/declining habitat; habitat degradation
28	Birds	<i>Chordeiles minor</i>	common nighthawk	NL		extensive surveys indicate a decline of unknown cause

29	Birds	<i>Circus cyaneus</i>	northern harrier	NL	rare, vulnerable/declining habitat; habitat loss; depend on large habitat
30	Birds	<i>Cistothorus platensis</i>	sedge wren	NL	Minnesota population represents significant portion of their North American breeding or wintering population
31	Birds	<i>Coccothraustes vespertinus</i>	evening grosbeak	NL	extensive surveys indicate a decline of unknown cause
32	Birds	<i>Coccyzus americanus</i>	yellow-billed cuckoo	NL	statistically valid decline documented
33	Birds	<i>Coccyzus erythrophthalmus</i>	black-billed cuckoo	NL	statistically valid decline documented; depend on ecological process no longer within NRV
34	Birds	<i>Contopus cooperi</i>	olive-sided flycatcher	NL	statistically valid decline documented
35	Birds	<i>Coturnicops noveboracensis</i>	yellow rail	SPC	rare, vulnerable/declining habitat; habitat loss
36	Birds	<i>Cygnus buccinator</i>	trumpeter swan	SPC	Minnesota population represents significant portion of their North American breeding or wintering population
37	Birds	<i>Dolichonyx oryzivorus</i>	bobolink	NL	statistically valid decline documented; rare, vulnerable/declining habitat; habitat loss; Minnesota population represents significant portion of their North American breeding or wintering population
38	Birds	<i>Empidonax virescens</i>	Acadian flycatcher	SPC	rare, vulnerable/declining habitat; habitat degradation
39	Birds	<i>Falci pennis canadensis</i>	spruce grouse	NL	habitat loss; habitat fragmentation
40	Birds	<i>Falco peregrinus</i>	peregrine falcon	SPC	statistically valid decline documented; limited ability to recover (low reproductive rate)
41	Birds	<i>Falco sparverius</i>	American kestrel	NL	statistically valid decline documented
42	Birds	<i>Gallinula galeata</i>	common gallinule	SPC	habitat loss
43	Birds	<i>Gavia immer</i>	common loon	NL	contaminants
44	Birds	<i>Haemorhous purpureus</i>	purple finch	NL	statistically valid decline documented
45	Birds	<i>Hylocichla mustelina</i>	wood thrush	NL	habitat loss; habitat degradation
46	Birds	<i>Ixobrychus exilis</i>	least bittern	NL	rare, vulnerable/declining habitat; habitat loss; habitat degradation
47	Birds	<i>Lanius ludovicianus</i>	loggerhead shrike	END	rare, vulnerable/declining habitat; extensive surveys indicate a decline of unknown cause
48	Birds	<i>Leucophaeus pipixcan</i>	Franklin's gull	SPC	habitat loss; aggregate their populations
49	Birds	<i>Limnodromus griseus</i>	short-billed dowitcher	NL	migrating populations congregating in Minnesota represent a significant portion of the North American population
50	Birds	<i>Limosa fedoa</i>	marbled godwit	SPC	rare, vulnerable/declining habitat; depend on large habitat; depend on ecological process no longer within NRV
51	Birds	<i>Limosa haemastica</i>	Hudsonian godwit	NL	migrating populations congregating in Minnesota represent a significant portion of the North American population
52	Birds	<i>Megaceryle alcyon</i>	belted kingfisher	NL	statistically valid decline documented
53	Birds	<i>Melanerpes erythrocephalus</i>	red-headed woodpecker	NL	statistically valid decline documented
54	Birds	<i>Mergus merganser</i>	common merganser	NL	migrating populations congregating in Minnesota represent a significant portion of the North American population
55	Birds	<i>Nycticorax nycticorax</i>	black-crowned night-heron	NL	rare, vulnerable/declining habitat; aggregate their populations
56	Birds	<i>Oporornis agilis</i>	Connecticut warbler	NL	statistically valid decline documented; habitat loss; habitat fragmentation
57	Birds	<i>Parkesia motacilla</i>	Louisiana water-thrush	SPC	rare, vulnerable/declining habitat; habitat degradation; requires large home ranges/multiple habitats

58	Birds	<i>Pelecanus erythrorhynchos</i>	American white pelican	SPC	Minnesota population represents significant portion of their North American breeding or wintering population; aggregate their populations
59	Birds	<i>Phalaropus tricolor</i>	Wilson's phalarope	THR	rare, vulnerable/declining habitat; habitat loss
60	Birds	<i>Picoides arcticus</i>	black-backed woodpecker	NL	habitat loss; habitat fragmentation; depend on ecological process no longer within NRV
61	Birds	<i>Pipilo erythrophthalmus</i>	eastern towhee	NL	statistically valid decline documented; depend on ecological process no longer within NRV
62	Birds	<i>Podiceps auritus</i>	horned grebe	END	rare, vulnerable/declining habitat; habitat loss
63	Birds	<i>Podiceps grisegena</i>	red-necked grebe	NL	rare, vulnerable/declining habitat
64	Birds	<i>Podiceps nigricollis</i>	eared grebe	NL	rare, vulnerable/declining habitat; aggregate their populations
65	Birds	<i>Poecile hudsonicus</i>	boreal chickadee	NL	habitat loss; habitat degradation; habitat fragmentation
66	Birds	<i>Progne subis</i>	purple martin	SPC	statistically valid decline documented; contaminants; aggregate their populations
67	Birds	<i>Protonotaria citrea</i>	prothonotary warbler	NL	habitat loss; habitat degradation; invasive species
68	Birds	<i>Rallus elegans</i>	king rail	END	rare, vulnerable/declining habitat; habitat loss
69	Birds	<i>Rallus limicola</i>	Virginia rail	NL	rare, vulnerable/declining habitat
70	Birds	<i>Scolopax minor</i>	American woodcock	NL	statistically valid decline documented
71	Birds	<i>Setophaga caerulescens</i>	black-throated blue warbler	NL	rare, vulnerable/declining habitat; habitat fragmentation
72	Birds	<i>Setophaga castanea</i>	bay-breasted warbler	NL	habitat loss; need special resources (narrow thermal preferences)
73	Birds	<i>Setophaga cerulea</i>	cerulean warbler	SPC	rare, vulnerable/declining habitat; habitat degradation
74	Birds	<i>Setophaga citrina</i>	hooded warbler	SPC	habitat loss; highly localized/restricted distribution
75	Birds	<i>Setophaga tigrina</i>	Cape May Warbler	NL	habitat loss; need special resources (narrow thermal preferences)
76	Birds	<i>Spiza americana</i>	dickcissel	NL	statistically valid decline documented
77	Birds	<i>Spizella pusilla</i>	field sparrow	NL	statistically valid decline documented; rare, vulnerable/declining habitat
78	Birds	<i>Stelgidopteryx serripennis</i>	northern rough-winged swallow	NL	statistically valid decline documented
79	Birds	<i>Sterna forsteri</i>	Forster's tern	SPC	rare, vulnerable/declining habitat; habitat loss; aggregate their populations
80	Birds	<i>Sterna hirundo</i>	common tern	THR	aggregate their populations
81	Birds	<i>Sturnella magna</i>	eastern meadowlark	NL	rare, vulnerable/declining habitat; habitat loss
82	Birds	<i>Sturnella neglecta</i>	western meadowlark	NL	statistically valid decline documented; rare, vulnerable/declining habitat; habitat loss
83	Birds	<i>Toxostoma rufum</i>	brown thrasher	NL	statistically valid decline documented
84	Birds	<i>Tringa melanoleuca</i>	greater yellowlegs	NL	migrating populations congregating in Minnesota represent a significant portion of the North American population
85	Birds	<i>Troglodytes hiemalis</i>	winter wren	NL	habitat loss
86	Birds	<i>Tympanuchus cupido</i>	greater prairie-chicken	SPC	rare, vulnerable/declining habitat
87	Birds	<i>Tympanuchus phasianellus</i>	sharp-tailed grouse	NL	rare, vulnerable/declining habitat; aggregate their populations
88	Birds	<i>Tyrannus verticalis</i>	western kingbird	NL	statistically valid decline documented; rare, vulnerable/declining habitat; depend on large habitat
89	Birds	<i>Vermivora chrysoptera</i>	golden-winged warbler	NL	Minnesota population represents significant portion of their North American breeding or wintering population; populations in Minnesota stable but have declined or are declining in a substantial part of range

90	Birds	<i>Vireo bellii</i>	Bell's vireo	SPC		rare, vulnerable/declining habitat; extensive surveys indicate a decline of unknown cause
91	Birds	<i>Vireo philadelphicus</i>	Philadelphia vireo	NL		rare, vulnerable/declining habitat; extensive surveys indicate a decline of unknown cause
92	Birds	<i>Xanthocephalus xanthocephalus</i>	yellow-headed blackbird	NL		statistically valid decline documented; rare, vulnerable/declining habitat

## Amphibians

	Taxa	Scientific name	Common name	State status	Federal status	Criteria (stressors and life-history traits)
1	Amphibians	<i>Acris blanchardi</i>	Blanchard's cricket frog	END		habitat loss; habitat degradation; need special resources (narrow thermal preferences); highly localized/restricted distribution
2	Amphibians	<i>Ambystoma maculatum</i>	spotted salamander	SPC		rare, vulnerable/declining habitat; habitat loss; habitat degradation; habitat fragmentation; requires large home ranges/multiple habitats; highly localized/restricted distribution; aggregate their populations
3	Amphibians	<i>Anaxyrus cognatus</i>	Great Plains toad	SPC		rare, vulnerable/declining habitat; habitat loss; habitat degradation; habitat fragmentation; requires large home ranges/multiple habitats; aggregate their populations
4	Amphibians	<i>Hemidactylium scutatum</i>	four-toed salamander	SPC		rare, vulnerable/declining habitat; habitat loss; habitat degradation; habitat fragmentation; requires large home ranges/multiple habitats; limited ability to recover (low dispersal ability); highly localized/restricted distribution
5	Amphibians	<i>Lithobates palustris</i>	pickerel frog	NL		rare, vulnerable/declining habitat; habitat loss; habitat degradation; requires large home ranges/multiple habitats; highly localized/restricted distribution; aggregate their populations
6	Amphibians	<i>Necturus maculosus</i>	mudpuppy	SPC		habitat degradation; habitat fragmentation; over-exploitation; disease
7	Amphibians	<i>Notophthalmus viridescens</i>	eastern newt	NL		rare, vulnerable/declining habitat; habitat degradation; habitat fragmentation; requires large home ranges/multiple habitats
8	Amphibians	<i>Plethodon cinereus</i>	eastern red-backed salamander	NL		habitat degradation; habitat fragmentation

## Reptiles

1	Reptiles	<i>Apalone mutica</i>	smooth softshell	SPC		rare, vulnerable/declining habitat; habitat loss; habitat degradation; predation beyond normal levels; highly localized/restricted distribution; aggregate their populations
2	Reptiles	<i>Aspidoscelis sexlineata</i>	six-lined racerunner	NL		rare, vulnerable/declining habitat; habitat degradation; highly localized/restricted distribution
3	Reptiles	<i>Coluber constrictor</i>	North American racer	SPC		rare, vulnerable/declining habitat; habitat loss; highly localized/restricted distribution; aggregate their populations
4	Reptiles	<i>Crotalus horridus</i>	timber rattlesnake	THR		rare, vulnerable/declining habitat; habitat loss; habitat degradation; habitat fragmentation; overexploitation; disease; deliberate killing; limited ability to recover (low reproductive rate); highly localized/restricted distribution; aggregate their populations
5	Reptiles	<i>Diadophis punctatus edwardsii</i> (northern subspecies)	northern ring-necked snake	NL		highly localized/restricted distribution
6	Reptiles	<i>Emydoidea blandingii</i>	Blanding's turtle	THR		rare, vulnerable/declining habitat; habitat loss; habitat degradation; habitat fragmentation; requires large home ranges/multiple habitats; depend on large habitat; limited ability to recover (low reproductive rate)
7	Reptiles	<i>Glyptemys insculpta</i>	wood turtle	THR		statistically valid decline documented; rare, vulnerable/declining habitat; habitat loss; habitat degradation; habitat fragmentation; requires large home ranges/multiple habitats; depend on large habitat; limited ability to recover (low reproductive rate); aggregate their populations

8	Reptiles	<i>Heterodon nasicus</i>	plains hog-nosed snake	SPC		rare, vulnerable/declining habitat; habitat loss; habitat degradation; habitat fragmentation; overexploitation
9	Reptiles	<i>Heterodon platirhinos</i>	eastern hog-nosed snake	NL		rare, vulnerable/declining habitat; habitat loss; habitat degradation; habitat fragmentation
10	Reptiles	<i>Opheodrys vernalis</i>	smooth greensnake	NL		habitat loss; habitat degradation; habitat fragmentation; contaminants
11	Reptiles	<i>Pantherophis obsoletus</i>	western ratsnake	THR		habitat degradation; disease; highly localized/restricted distribution; aggregate their populations
12	Reptiles	<i>Pituophis catenifer</i>	gophersnake	SPC		rare, vulnerable/declining habitat; habitat loss; habitat degradation; habitat fragmentation; overexploitation; deliberate killing; requires large home ranges/multiple habitats; depend on large habitat
13	Reptiles	<i>Plestiodon fasciatus</i>	common five-lined skink	SPC		rare, vulnerable/declining habitat; habitat degradation; highly localized/restricted distribution
14	Reptiles	<i>Sistrurus catenatus</i>	massasauga	END	C	rare, vulnerable/declining habitat; habitat loss; habitat degradation; habitat fragmentation; disease; deliberate killing; need special resources (narrow thermal preferences); depend on ecological process no longer within NRV; limited ability to recover (low reproductive rate); highly localized/restricted distribution; extensive surveys indicate a decline of unknown cause
15	Reptiles	<i>Tropidoclonion lineatum</i>	lined snake	SPC		habitat loss; habitat fragmentation; highly localized/restricted distribution

## Fish

	Taxa	Scientific name	Common name	State status	Federal status	Criteria (stressors and life-history traits)
1	Fish	<i>Acipenser fulvescens</i>	lake sturgeon	SPC		habitat fragmentation; requires large home ranges/multiple habitats; depend on large habitats; depend on ecological process no longer within NRV
2	Fish	<i>Alosa chrysochloris</i>	skipjack herring	END		habitat fragmentation; depend on ecological process no longer within NRV; highly localized/restricted distribution
3	Fish	<i>Ammocrypta clara</i>	western sand darter	NL		habitat degradation; depend on ecological process no longer within NRV
4	Fish	<i>Anguilla rostrata</i>	American eel	SPC		habitat fragmentation; depend on ecological process no longer within NRV
5	Fish	<i>Aphredoderus sayanus</i>	pirate perch	SPC		habitat degradation; highly localized/restricted distribution
6	Fish	<i>Catostomus catostomus</i>	longnose sucker	NL		extensive surveys indicate a decline of unknown cause
7	Fish	<i>Clinostomus elongatus</i>	reidside dace	SPC		habitat degradation; invasive species; need special resources (narrow thermal preferences)
8	Fish	<i>Coregonus kiyi</i>	kiyi	SPC		overexploitation; depend on ecological process no longer within NRV
9	Fish	<i>Coregonus nipigon</i>	Nipigon cisco	SPC		rare, vulnerable/declining habitat; need special resources (narrow thermal preferences); highly localized/restricted distribution
10	Fish	<i>Coregonus zenithicus</i>	shortjaw cisco	SPC		overexploitation
11	Fish	<i>Cottus ricei</i>	spoonhead sculpin	NL		highly localized/restricted distribution
12	Fish	<i>Couesius plumbeus</i>	lake chub	SPC		highly localized/restricted distribution
13	Fish	<i>Crystallaria asprella</i>	crystal darter	END		habitat degradation; depend on ecological process no longer within NRV
14	Fish	<i>Cycleptus elongatus</i>	blue sucker	SPC		habitat degradation; habitat fragmentation; depend on ecological process no longer within NRV
15	Fish	<i>Erimystax x-punctata</i>	gravel chub	THR		habitat degradation; depend on ecological process no longer within NRV; highly localized/restricted distribution

16	Fish	<i>Etheostoma chlorosoma</i>	bluntnose darter	SPC		highly localized/restricted distribution
17	Fish	<i>Etheostoma microperca</i>	least darter	SPC		state listed; no additional criteria identified
18	Fish	<i>Fundulus sciadicus</i>	plains topminnow	THR		rare, vulnerable/declining habitat; habitat degradation; highly localized/restricted distribution
19	Fish	<i>Hybognathus nuchalis</i>	Mississippi silvery minnow	SPC		habitat fragmentation; depend on ecological process no longer within NRV; highly localized/restricted distribution
20	Fish	<i>Hybopsis amnis</i>	pallid shiner	END		extensive surveys indicate a decline of unknown cause
21	Fish	<i>Ichthyomyzon fossor</i>	northern brook lamprey	SPC		state listed; no additional criteria identified
22	Fish	<i>Ichthyomyzon gagei</i>	southern brook lamprey	SPC		state listed; no additional criteria identified
23	Fish	<i>Ictiobus niger</i>	black buffalo	THR		habitat degradation; habitat fragmentation; depend on ecological process no longer within NRV
24	Fish	<i>Lepomis gulosus</i>	warmouth	SPC		habitat degradation; highly localized/restricted distribution
25	Fish	<i>Lepomis peltastes</i>	northern longear sunfish	SPC		habitat loss; habitat degradation
26	Fish	<i>Lythrurus umbratilis</i>	redfin shiner	SPC		extensive surveys indicate a decline of unknown cause
27	Fish	<i>Morone mississippiensis</i>	yellow bass	SPC		state listed; no additional criteria identified
28	Fish	<i>Moxostoma duquesnei</i>	black redbreast	SPC		habitat degradation; highly localized/restricted distribution
29	Fish	<i>Myoxocephalus thompsoni</i>	deepwater sculpin	NL		highly localized/restricted distribution
30	Fish	<i>Nocomis biguttatus</i>	hornyhead chub	NL		habitat degradation; over-exploitation; extensive surveys indicate a decline of unknown cause
31	Fish	<i>Notropis anogenus</i>	pugnose shiner	THR		habitat loss; habitat degradation
32	Fish	<i>Notropis nubilus</i>	Ozark minnow	SPC		highly localized/restricted distribution
33	Fish	<i>Notropis texanus</i>	weed shiner	NL		highly localized/restricted distribution
34	Fish	<i>Notropis topeka</i>	Topeka shiner	SPC	E	Minnesota population represents significant portion of their North American breeding or wintering population
35	Fish	<i>Noturus exilis</i>	slender madtom	END		highly localized/restricted distribution
36	Fish	<i>Opsopoeodus emiliae</i>	pugnose minnow	NL		habitat degradation; habitat fragmentation; populations in Minnesota stable but have declined or are declining in a substantial part of range
37	Fish	<i>Percina evides</i>	gilt darter	SPC		habitat degradation; highly localized/restricted distribution
38	Fish	<i>Phenacobius mirabilis</i>	suckermouth minnow	SPC		extensive surveys indicate a decline of unknown cause
39	Fish	<i>Platygobio gracilis</i>	flathead chub	SPC		state listed; no additional criteria identified
40	Fish	<i>Polyodon spathula</i>	paddlefish	THR		invasive species; depend on ecological process no longer within NRV
41	Fish	<i>Prosopium coulterii</i>	pygmy whitefish	SPC		highly localized/restricted distribution
42	Fish	<i>Salvelinus fontinalis</i>	coaster brook trout	NL		statistically valid decline documented
43	Fish	<i>Salvelinus fontinalis</i>	brook trout SE Minnesota heritage strain	NL		highly localized/restricted distribution; Minnesota population represents significant portion of their North American breeding or wintering population



## Mussels

	Taxa	Scientific name	Common name	State status	Federal status	Criteria (stressors and life-history traits)
1	Mussels	<i>Actinonaias ligamentina</i>	mucket	THR		statistically valid decline documented; habitat loss; habitat degradation; habitat fragmentation; invasive species; contaminants
2	Mussels	<i>Alasmidonta marginata</i>	elktoe	THR		statistically valid decline documented; habitat loss; habitat degradation; habitat fragmentation; invasive species; contaminants; need special resources (host species); highly localized/restricted distribution
3	Mussels	<i>Anodonta suborbiculata</i>	flat floater	SPC		contaminants; highly localized/restricted distribution
4	Mussels	<i>Arcidens confragosus</i>	rock pocketbook	END		statistically valid decline documented; habitat loss; habitat degradation; habitat fragmentation; invasive species; contaminants
5	Mussels	<i>Cumberlandia monodonta</i>	spectaclecase	END	E	statistically valid decline documented; habitat loss; habitat degradation; habitat fragmentation; invasive species; contaminants; limited ability to recover (low dispersal ability); highly localized/restricted distribution; aggregate their populations; Minnesota population represents significant portion of their North American breeding or wintering population
6	Mussels	<i>Cyclonaias tuberculata</i>	purple wartyback	END		statistically valid decline documented; habitat loss; habitat degradation; habitat fragmentation; invasive species; contaminants; need special resources (host species)
7	Mussels	<i>Ellipsaria lineolata</i>	butterfly	THR		statistically valid decline documented; habitat loss; habitat degradation; habitat fragmentation; invasive species; contaminants; need special resources (host species)
8	Mussels	<i>Elliptio complanata</i>	eastern elliptio	SPC		invasive species; highly localized/restricted distribution
9	Mussels	<i>Elliptio crassidens</i>	elephant-ear	END		statistically valid decline documented; habitat loss; habitat degradation; habitat fragmentation; invasive species; contaminants; need special resources (host species)
10	Mussels	<i>Elliptio dilatata</i>	spike	THR		statistically valid decline documented; habitat loss; habitat degradation; habitat fragmentation; invasive species; contaminants
11	Mussels	<i>Epioblasma triquetra</i>	snuffbox	END	E	statistically valid decline documented; habitat loss; habitat degradation; habitat fragmentation; invasive species; contaminants; need special resources (host species); Minnesota population represents significant portion of their North American breeding or wintering population
12	Mussels	<i>Fusconaia ebena</i>	ebonyshell	END		statistically valid decline documented; habitat loss; habitat degradation; habitat fragmentation; invasive species; contaminants; need special resources (host species)
13	Mussels	<i>Lampsilis higginsii</i>	Higgins eye	END	E	statistically valid decline documented; habitat loss; habitat degradation; habitat fragmentation; invasive species; contaminants
14	Mussels	<i>Lampsilis teres</i>	yellow sandshell	END		statistically valid decline documented; invasive species; contaminants; need special resources (host species); extensive surveys indicate a decline of unknown cause
15	Mussels	<i>Lasmigona compressa</i>	creek heelsplitter	SPC		habitat degradation; contaminants
16	Mussels	<i>Lasmigona costata</i>	fluted-shell	THR		statistically valid decline documented; habitat loss; habitat degradation; habitat fragmentation; invasive species; contaminants
17	Mussels	<i>Ligumia recta</i>	black sandshell	SPC		statistically valid decline documented; habitat loss; habitat degradation; habitat fragmentation; invasive species; contaminants
18	Mussels	<i>Ligumia subrostrata</i>	pondmussel	THR		statistically valid decline documented; habitat loss; habitat degradation; habitat fragmentation; contaminants; highly localized/restricted distribution

19	Mussels	<i>Megaloniais nervosa</i>	washboard	END		statistically valid decline documented; habitat loss; habitat degradation; habitat fragmentation; over-exploitation; invasive species; contaminants
20	Mussels	<i>Obovaria olivaria</i>	hickorynut	NL		statistically valid decline documented; habitat loss; habitat degradation; habitat fragmentation; invasive species; contaminants; need special resources (host species)
21	Mussels	<i>Plethobasus cyphus</i>	sheepnose	END	E	statistically valid decline documented; habitat loss; habitat degradation; habitat fragmentation; invasive species; contaminants
22	Mussels	<i>Pleurobema sintoxia</i>	round pigtoe	SPC		statistically valid decline documented; habitat loss; habitat degradation; habitat fragmentation; invasive species; contaminants
23	Mussels	<i>Potamilus capax</i>	fat pocketbook	NL		statistically valid decline documented; habitat fragmentation; need special resources (host species); extensive surveys indicate a decline of unknown cause. currently extirpated in Minnesota, there is a strong likelihood that this species will be reintroduced within the next 10 years
24	Mussels	<i>Quadrula fragosa</i>	winged mapleleaf	END	E	Statistically valid decline documented; Habitat loss; Habitat degradation; Habitat fragmentation; Invasive species; Contaminants; Need special resources (host species); MN population represents significant portion of their N. Am. breeding or wintering pop.
25	Mussels	<i>Quadrula metanevra</i>	monkeyface	THR		statistically valid decline documented; habitat loss; habitat degradation; habitat fragmentation; invasive species; contaminants
26	Mussels	<i>Quadrula nodulata</i>	wartyback	THR		statistically valid decline documented; habitat loss; habitat degradation; habitat fragmentation; invasive species; contaminants; Minnesota population represents significant portion of their North American breeding or wintering population
27	Mussels	<i>Simpsonia ambigua</i>	salamander mussel	END		statistically valid decline documented; habitat loss; habitat degradation; habitat fragmentation; invasive species; contaminants; need special resources (host species); limited ability to recover (low dispersal ability); highly localized/restricted distribution; aggregate their populations
28	Mussels	<i>Tritogonia verrucosa</i>	pistolgrip	END		statistically valid decline documented; habitat loss; habitat degradation; habitat fragmentation; invasive species; contaminants; need special resources (host species)
29	Mussels	<i>Truncilla donaciformis</i>	fawnsfoot	THR		statistically valid decline documented; habitat loss; habitat degradation; habitat fragmentation; invasive species; contaminants; need special resources (host species); extensive surveys indicate a decline of unknown cause
30	Mussels	<i>Venustaconcha ellipsiformis</i>	ellipse	THR		statistically valid decline documented; habitat loss; habitat degradation; habitat fragmentation; invasive species; contaminants; limited ability to recover (low dispersal ability)

## Snails

	Taxa	Scientific name	Common name	State status	Federal status	Criteria (stressors and life-history traits)
1	Snails	<i>Gastrocopta rogersensis</i>	Rogers' snaggletooth snail	SPC		statistically valid decline documented; highly localized/restricted distribution
2	Snails	<i>Planogyra asteriscus</i>	eastern flat-whorl snail	SPC		rare, vulnerable/declining habitat; highly localized/restricted distribution
3	Snails	<i>Striatura ferrea</i>	black striate snail	SPC		highly localized/restricted distribution
4	Snails	<i>Vertigo meramecensis</i>	bluff vertigo	THR		rare, vulnerable/declining habitat; highly localized/restricted distribution
5	Snails	<i>Zonitoides limatulus</i>	dull gloss	SPC		highly localized/restricted distribution

## Jumping Spiders

	Taxa	Scientific name	Common name	State status	Federal status	Criteria (stressors and life-history traits)
1	Jumping spiders	<i>Habronattus calcarius maddisoni</i>	A species of jumping spider	SPC		state listed; no additional criteria identified
2	Jumping spiders	<i>Habronattus texanus</i>	A species of jumping spider	SPC		rare, vulnerable/declining habitat; highly localized/restricted distribution
3	Jumping spiders	<i>Habronattus viridipes</i>	A species of jumping spider	SPC		rare, vulnerable/declining habitat; highly localized/restricted distribution
4	Jumping spiders	<i>Marpissa formosa</i>	A species of jumping spider	SPC		highly localized/restricted distribution
5	Jumping spiders	<i>Paradamoetas fontana</i>	A species of jumping spider	SPC		habitat loss; highly localized/restricted distribution
6	Jumping spiders	<i>Pelegrina arizonensis</i>	A species of jumping spider	SPC		rare, vulnerable/declining habitat; need special resources (host species); depend on ecological process no longer within NRV; highly localized/restricted distribution
7	Jumping spiders	<i>Phidippus apacheanus</i>	A species of jumping spider	SPC		rare, vulnerable/declining habitat; habitat loss; habitat degradation; highly localized/restricted distribution
8	Jumping spiders	<i>Phidippus pius</i>	A species of jumping spider	SPC		rare, vulnerable/declining habitat; habitat loss; habitat degradation; highly localized/restricted distribution
9	Jumping spiders	<i>Sassacus papenhoei</i>	A species of jumping spider	SPC		rare, vulnerable/declining habitat; highly localized/restricted distribution
10	Jumping spiders	<i>Tutelina formicaria</i>	A species of jumping spider	THR		rare, vulnerable/declining habitat; need special resources (host species); highly localized/restricted distribution

## Leafhoppers

	Taxa	Scientific name	Common name	State status	Federal status	Criteria (stressors and life-history traits)
1	Leafhoppers	<i>Aflexia rubranura</i>	red-tailed leafhopper	SPC		rare, vulnerable/declining habitat; need special resources (host species)
2	Leafhoppers	<i>Attenuipyga vanduzeei</i>	hill prairie shovelhead leafhopper	SPC		rare, vulnerable/declining habitat; highly localized/restricted distribution
3	Leafhoppers	<i>Macrosteles clavatus</i>	caped leafhopper	SPC		rare, vulnerable/declining habitat; highly localized/restricted distribution

## Dragonflies & Damselflies

	Taxa	Scientific name	Common name	State status	Federal status	Criteria (stressors and life-history traits)
1	Dragonflies & damselflies	<i>Aeshna sitchensis</i>	zigzag darner	SPC		rare, vulnerable/declining habitat; need special resources (narrow thermal preferences)
2	Dragonflies & damselflies	<i>Aeshna subarctica</i>	subarctic darner	SPC		rare, vulnerable/declining habitat; need special resources (narrow thermal preferences)
3	Dragonflies & damselflies	<i>Amphiagrion abbreviatum</i>	western red damsel	NL		rare, vulnerable/declining habitat; habitat loss; habitat degradation; need special resources (narrow thermal preferences)
4	Dragonflies & damselflies	<i>Argia plana</i>	springwater dancer	NL		highly localized/restricted distribution
5	Dragonflies & damselflies	<i>Boyeria grafiana</i>	ocellated darner	SPC		highly localized/restricted distribution
6	Dragonflies & damselflies	<i>Coenagrion angulatum</i>	prairie bluet	NL		rare, vulnerable/declining habitat; habitat loss
7	Dragonflies & damselflies	<i>Coenagrion interrogatum</i>	subarctic bluet	NL		habitat loss; habitat degradation
8	Dragonflies & damselflies	<i>Cordulegaster obliqua</i>	arrowhead spiketail	NL		habitat degradation
9	Dragonflies & damselflies	<i>Gomphus adelphus</i>	mustached clubtail	NL		habitat degradation; need special resources (narrow thermal preferences)
10	Dragonflies & damselflies	<i>Gomphus lineatifrons</i>	splendid clubtail	NL		habitat degradation; need special resources (narrow thermal preferences)

11	Dragonflies & damselflies	<i>Gomphus quadricolor</i>	rapids clubtail	NL		habitat degradation; need special resources (narrow thermal preferences)
12	Dragonflies & damselflies	<i>Gomphus ventricosus</i>	skillet clubtail	NL		habitat degradation; need special resources (narrow thermal preferences)
13	Dragonflies & damselflies	<i>Gomphus viridifrons</i>	green-faced clubtail	NL		habitat degradation; need special resources (narrow thermal preferences)
14	Dragonflies & damselflies	<i>Ischnura posita</i>	fragile forktail	NL		statistically valid decline documented
15	Dragonflies & damselflies	<i>Leucorrhinia glacialis</i>	crimson-ringed whiteface	NL		rare, vulnerable/declining habitat
16	Dragonflies & damselflies	<i>Nannothemis bella</i>	elfin skimmer	NL		rare, vulnerable/declining habitat
17	Dragonflies & damselflies	<i>Neurocordulia molesta</i>	smoky shadow-dragon	NL		habitat degradation
18	Dragonflies & damselflies	<i>Ophiogomphus anomalus</i>	extra-striped snaketail	SPC		habitat degradation; need special resources (narrow thermal preferences)
19	Dragonflies & damselflies	<i>Ophiogomphus carolus</i>	rifle snaketail	NL		habitat degradation; need special resources (narrow thermal preferences)
20	Dragonflies & damselflies	<i>Ophiogomphus colubrinus</i>	boreal snaketail	NL		habitat degradation; need special resources (narrow thermal preferences)
21	Dragonflies & damselflies	<i>Ophiogomphus howei</i>	pygmy snaketail	SPC		habitat degradation; need special resources (narrow thermal preferences)
22	Dragonflies & damselflies	<i>Ophiogomphus smithi</i>	Sioux snaketail	NL		habitat degradation; need special resources (narrow thermal preferences)
23	Dragonflies & damselflies	<i>Ophiogomphus susbehcha</i>	St. Croix snaketail	THR		habitat degradation; need special resources (narrow thermal preferences)
24	Dragonflies & damselflies	<i>Rhionaeschna multicolor</i>	blue-eyed darner	NL		habitat loss
25	Dragonflies & damselflies	<i>Rhionaeschna mutata</i>	spatterdock darner	NL		rare, vulnerable/declining habitat; habitat loss; need special resources (narrow thermal preferences); highly localized/restricted distribution
26	Dragonflies & damselflies	<i>Somatochlora brevicincta</i>	Quebec emerald	SPC		rare, vulnerable/declining habitat; need special resources (narrow thermal preferences)
27	Dragonflies & damselflies	<i>Somatochlora cingulata</i>	lake emerald	NL		rare, vulnerable/declining habitat; need special resources (narrow thermal preferences)
28	Dragonflies & damselflies	<i>Somatochlora elongata</i>	ski-tipped emerald	NL		rare, vulnerable/declining habitat; need special resources (narrow thermal preferences)
29	Dragonflies & damselflies	<i>Somatochlora ensigera</i>	plains emerald	NL		habitat loss; habitat degradation
30	Dragonflies & damselflies	<i>Somatochlora forcipata</i>	forcipate emerald	SPC		rare, vulnerable/declining habitat; need special resources (narrow thermal preferences)
31	Dragonflies & damselflies	<i>Somatochlora franklini</i>	delicate emerald	NL		rare, vulnerable/declining habitat; need special resources (narrow thermal preferences)
32	Dragonflies & damselflies	<i>Somatochlora kennedyi</i>	Kennedy's emerald	NL		rare, vulnerable/declining habitat; need special resources (narrow thermal preferences)
33	Dragonflies & damselflies	<i>Somatochlora minor</i>	ocellated emerald	NL		rare, vulnerable/declining habitat; need special resources (narrow thermal preferences)
34	Dragonflies & damselflies	<i>Somatochlora walshii</i>	brush-tipped emerald	NL		rare, vulnerable/declining habitat; need special resources (narrow thermal preferences)
35	Dragonflies & damselflies	<i>Stylogomphus albistylus</i>	eastern least clubtail	NL		habitat degradation
36	Dragonflies & damselflies	<i>Stylurus amnicola</i>	riverine clubtail	NL		habitat degradation
37	Dragonflies & damselflies	<i>Stylurus plagiatus</i>	russet-tipped clubtail	NL		habitat degradation
38	Dragonflies & damselflies	<i>Stylurus scudderi</i>	zebra clubtail	NL		habitat degradation
39	Dragonflies & damselflies	<i>Sympetrum madidum</i>	red-veined meadowhawk	NL		highly localized/restricted distribution
40	Dragonflies & damselflies	<i>Williamsonia fletcheri</i>	ebony boghunter	NL		rare, vulnerable/declining habitat; need special resources (narrow thermal preferences)

## Butterflies & Moths

	Taxa	Scientific name	Common name	State status	Federal status	Criteria (stressors and life-history traits)
1	Butterflies & moths	<i>Aspitates aberrata</i>	A species of geometrid moth	NL		rare, vulnerable/declining habitat

2	Butterflies & moths	<i>Atrytone arogos iowa</i>	Arogos skipper	SPC		rare, vulnerable/declining habitat; habitat loss; habitat degradation; habitat fragmentation
3	Butterflies & moths	<i>Atrytonopsis hianna</i>	dusted skipper	NL		rare, vulnerable/declining habitat; habitat loss; habitat degradation; habitat fragmentation; need special resources (host species); depend on ecological process no longer within NRV; highly localized/restricted distribution
4	Butterflies & moths	<i>Boloria chariclea</i>	arctic fritillary	NL		habitat loss; habitat degradation; need special resources (host species)
5	Butterflies & moths	<i>Carmenta anthracipennis</i>	blazing star clear-wing moth	NL		rare, vulnerable/declining habitat; habitat loss; habitat degradation; habitat fragmentation; need special resources (host species)
6	Butterflies & moths	<i>Catocala abbreviatella</i>	abbreviated underwing	SPC		rare, vulnerable/declining habitat; habitat fragmentation; need special resources (host species)
7	Butterflies & moths	<i>Catocala whitneyi</i>	Whitney's underwing	SPC		rare, vulnerable/declining habitat; need special resources (host species)
8	Butterflies & moths	<i>Danaus plexippus</i>	monarch	NL		statistically valid decline documented; rare, vulnerable/declining habitat; habitat loss; habitat degradation; habitat fragmentation; need special resources (host species); Minnesota population represents significant portion of their North American breeding or wintering population
9	Butterflies & moths	<i>Erebia mancinus</i>	Disa alpine	SPC		habitat loss; habitat degradation; need special resources (narrow thermal preferences); highly localized/restricted distribution
10	Butterflies & moths	<i>Erynnis martialis</i>	mottled dusky wing	NL		rare, vulnerable/declining habitat; habitat loss; habitat degradation; habitat fragmentation; need special resources (host species); depend on ecological process no longer within NRV
11	Butterflies & moths	<i>Erynnis persius persius</i>	Persius duskywing	END		rare, vulnerable/declining habitat; habitat loss; habitat degradation; habitat fragmentation; need special resources (host species); depend on ecological process no longer within NRV
12	Butterflies & moths	<i>Euchloe ausonides</i>	large marble	NL		depend on large habitat; need special resources (host species, narrow thermal preferences); depend on ecological process no longer within NRV; highly localized/restricted distribution
13	Butterflies & moths	<i>Euphyes binacula illinois</i>	two-spotted skipper	NL		rare, vulnerable/declining habitat; habitat loss; habitat degradation; need special resources (host species); depend on ecological process no longer within NRV
14	Butterflies & moths	<i>Hesperia assiniboia</i>	Assiniboia skipper	END		rare, vulnerable/declining habitat; habitat loss; habitat degradation; habitat fragmentation; need special resources (host species); depend on ecological process no longer within NRV
15	Butterflies & moths	<i>Hesperia dacotae</i>	Dakota skipper	END	T	rare, vulnerable/declining habitat; habitat loss; habitat degradation; habitat fragmentation; depend on ecological process no longer within NRV; extensive surveys indicate a decline of unknown cause; Minnesota population represents significant portion of their North American breeding or wintering population
16	Butterflies & moths	<i>Hesperia leonardus</i>	Leonard's skipper	SPC		rare, vulnerable/declining habitat; habitat loss; habitat degradation; habitat fragmentation
17	Butterflies & moths	<i>Hesperia ottoe</i>	Ottoe skipper	END		rare, vulnerable/declining habitat; habitat loss; habitat degradation; habitat fragmentation; depend on ecological process no longer within NRV; highly localized/restricted distribution
18	Butterflies & moths	<i>Hesperia uncas</i>	Uncas skipper	END		rare, vulnerable/declining habitat; habitat loss; habitat degradation; habitat fragmentation; need special resources (host species); depend on ecological process no longer within NRV
19	Butterflies & moths	<i>Lasionycta secedens</i>	a species of owlet moth	NL		need special resources (narrow thermal preferences); highly localized/restricted distribution
20	Butterflies & moths	<i>Lasionycta taigata</i>	a species of owlet moth	NL		need special resources (narrow thermal preferences); highly localized/restricted distribution

21	Butterflies & moths	<i>Plebejus idas nabokovi</i>	Nabokov's blue	SPC		rare, vulnerable/declining habitat; habitat degradation; need special resources (host species); depend on ecological process no longer within NRV; highly localized/restricted distribution
22	Butterflies & moths	<i>Plebejus melissa samuelis</i>	Karner blue	END	E	rare, vulnerable/declining habitat; habitat loss; habitat degradation; habitat fragmentation; need special resources (host species); depend on ecological process no longer within NRV
23	Butterflies & moths	<i>Oarisma garita</i>	Garita skipper	THR		rare, vulnerable/declining habitat; habitat degradation; depend on ecological process no longer within NRV; highly localized/restricted distribution
24	Butterflies & moths	<i>Oarisma poweshiek</i>	Poweshiek skipper	END	E	statistically valid decline documented; rare, vulnerable/declining habitat; habitat loss; habitat degradation; habitat fragmentation; depend on ecological process no longer within NRV; extensive surveys indicate a decline of unknown cause
25	Butterflies & moths	<i>Oeneis uhleri varuna</i>	Uhler's arctic	END		rare, vulnerable/declining habitat; habitat loss; habitat degradation; habitat fragmentation, highly localized/restricted distribution
26	Butterflies & moths	<i>Polygonia gracilis</i>	hoary comma	NL		highly localized/restricted distribution
27	Butterflies & moths	<i>Proserpina juanita</i>	Juanita sphinx moth	NL		rare, vulnerable/declining habitat; habitat loss; habitat degradation; depend on large habitat; habitat fragmentation; need special resources (host species); depend on ecological process no longer within NRV
28	Butterflies & moths	<i>Pyrgus centaureae freija</i>	grizzled skipper	SPC		state listed; no additional criteria identified
29	Butterflies & moths	<i>Schinia indiana</i>	phlox moth	SPC		rare, vulnerable/declining habitat; habitat loss; habitat degradation; habitat fragmentation; need special resources (host species)
30	Butterflies & moths	<i>Schinia lucens</i>	Leadplant Flower Moth	SPC		rare, vulnerable/declining habitat; habitat loss; habitat degradation; habitat fragmentation; need special resources (host species)
31	Butterflies & moths	<i>Schinia sanguinea</i>	blazing star flower moth	NL		rare, vulnerable/declining habitat; habitat loss; habitat degradation; habitat fragmentation; need special resources (host species)
32	Butterflies & moths	<i>Speyeria idalia</i>	regal fritillary	SPC		rare, vulnerable/declining habitat; habitat loss; habitat degradation; habitat fragmentation; depend on large habitat; need special resources (host species); depend on ecological process no longer within NRV
33	Butterflies & moths	<i>Xestia mixta</i>	a species of owlet moth	NL		need special resources (host species); depend on ecological process no longer within NRV

## Caddisflies

	Taxa	Scientific name	Common name	State status	Federal status	Criteria (stressors and life-history traits)
1	Caddisflies	<i>Agapetus tomus</i>	A species of caddisfly	SPC		habitat degradation; need special resources (narrow thermal preferences); highly localized/restricted distribution
2	Caddisflies	<i>Anabolia ozburni</i>	A species of northern caddisfly	SPC		habitat loss; habitat degradation; extensive surveys indicate a decline of unknown cause
3	Caddisflies	<i>Chilostigma itascae</i>	headwaters Chilostigman caddisfly	THR		highly localized/restricted distribution; Minnesota population represents significant portion of their North American breeding or wintering population
4	Caddisflies	<i>Goera stylata</i>	A species of caddisfly	THR		need special resources (narrow thermal preferences); highly localized/restricted distribution
5	Caddisflies	<i>Hydroptila metoeca</i>	A species of purse casemaker caddisfly	SPC		state listed; no additional criteria identified
6	Caddisflies	<i>Hydroptila quinola</i>	A species of purse casemaker caddisfly	SPC		habitat degradation; highly localized/restricted distribution
7	Caddisflies	<i>Hydroptila rono</i>	A species of purse casemaker caddisfly	THR		habitat degradation; highly localized/restricted distribution
8	Caddisflies	<i>Hydroptila tortosa</i>	A species of purse casemaker caddisfly	SPC		state listed; no additional criteria identified

9	Caddisflies	<i>Hydroptila waskesia</i>	A species of purse casemaker caddisfly	END		habitat degradation; highly localized/restricted distribution
10	Caddisflies	<i>Ironoquia punctatissima</i>	A species of northern caddisfly	THR		rare, vulnerable/declining habitat; highly localized/restricted distribution
11	Caddisflies	<i>Lepidostoma libum</i>	A species of caddisfly	THR		habitat degradation; highly localized/restricted distribution
12	Caddisflies	<i>Limnephilus janus</i>	A species of northern caddisfly	END		habitat degradation; highly localized/restricted distribution
13	Caddisflies	<i>Limnephilus rossi</i>	A species of northern caddisfly	THR		habitat degradation; highly localized/restricted distribution
14	Caddisflies	<i>Limnephilus secludens</i>	A species of northern caddisfly	END		habitat degradation
15	Caddisflies	<i>Ochrotrichia spinosa</i>	A species of purse casemaker caddisfly	END		highly localized/restricted distribution; extensive surveys indicate a decline of unknown cause
16	Caddisflies	<i>Oecetis ditissa</i>	A species of long-horned caddisfly	THR		habitat degradation; highly localized/restricted distribution
17	Caddisflies	<i>Oxyethira ecornuta</i>	A species of purse casemaker caddisfly	THR		highly localized/restricted distribution
18	Caddisflies	<i>Oxyethira itascae</i>	A species of purse casemaker caddisfly	SPC		highly localized/restricted distribution; Minnesota population represents significant portion of their North American breeding or wintering population
19	Caddisflies	<i>Parapsyche apicalis</i>	A species of net-spinning caddisfly	THR		habitat degradation; highly localized/restricted distribution
20	Caddisflies	<i>Polycentropus glacialis</i>	A species of tube casemaker caddisfly	THR		highly localized/restricted distribution
21	Caddisflies	<i>Polycentropus milaca</i>	A species of tube casemaker caddisfly	END		highly localized/restricted distribution; Minnesota population represents significant portion of their North American breeding or wintering population
22	Caddisflies	<i>Protoptila erotica</i>	A species of saddle casemaker caddisfly	SPC		highly localized/restricted distribution
23	Caddisflies	<i>Trienodes flavescens</i>	A species of long-horned caddisfly	SPC		highly localized/restricted distribution
24	Caddisflies	<i>Ylodes frontalis</i>	A species of long-horned caddisfly	THR		highly localized/restricted distribution

## Tiger Beetles

	Taxa	Scientific name	Common name	State status	Federal status	Criteria (stressors and life-history traits)
1	Tiger Beetles	<i>Cicindela cursitans</i>	ant-like tiger beetle	NL		highly localized/restricted distribution
2	Tiger Beetles	<i>Cicindela denikei</i>	Laurentian tiger beetle	SPC		highly localized/restricted distribution
3	Tiger Beetles	<i>Cicindela fulgida fulgida</i>	crimson saltflat tiger beetle, fulgida ssp.	END		rare, vulnerable/declining habitat; need special resources; highly localized/restricted distribution; depend on ecological process no longer within NRV
4	Tiger Beetles	<i>Cicindela fulgida westbournei</i>	crimson saltflat tiger beetle, westb. ssp.	THR		rare, vulnerable/declining habitat; need special resources; highly localized/restricted distribution
5	Tiger Beetles	<i>Cicindela hirticollis hirticollis</i> ssp.	hairy-necked tiger beetle	NL		habitat degradation
6	Tiger Beetles	<i>Cicindela hirticollis rhodensis</i> ssp.	hairy-necked tiger beetle	END		habitat degradation; highly localized/restricted distribution
7	Tiger Beetles	<i>Cicindela lepida</i>	ghost tiger beetle	THR		rare, vulnerable/declining habitat; highly localized/restricted distribution
8	Tiger Beetles	<i>Cicindela limbata nympha</i>	sandy tiger beetle	END		rare, vulnerable/declining habitat; highly localized/restricted distribution
9	Tiger Beetles	<i>Cicindela macra macra</i>	sandy stream tiger beetle	SPC		highly localized/restricted distribution
10	Tiger Beetles	<i>Cicindela patruela patruela</i>	northern barrens tiger beetle	SPC		rare, vulnerable/declining habitat; habitat loss
11	Tiger Beetles	<i>Cicindela splendida cyanocephalata</i>	splendid tiger beetle	SPC		need special resources; highly localized/restricted distribution

## Bees

	Taxa	Scientific name	Common name	State status	Federal status	Criteria (stressors and life-history traits)
1	Bees	<i>Bombus affinis</i>	rusty patched bumble bee	NL	E	extensive surveys indicate a decline of unknown cause
2	Bees	<i>Bombus bohemicus</i>	Ashton cuckoo bumble bee	NL		need special resources (host species)
3	Bees	<i>Bombus terricola</i>	yellowbanded bumble bee	NL		extensive surveys indicate a decline of unknown cause
4	Bees	<i>Bombus fervidus</i>	golden northern bumble bee or yellow bumble bee	NL		extensive surveys indicate a decline of unknown cause
5	Bees	<i>Bombus pensylvanicus</i>	American bumble bee	NL		extensive surveys indicate a decline of unknown cause