

APPENDIX 18. HABITAT PREFERENCES FOR SGCN

Table 18-1. Habitat preferences of SGCN – Amphibians

	Common Name	Scientific Name	Habitat Preference	Distribution
1	Blue-spotted Salamander	<i>Ambystoma laterale</i>	Forests, wetlands	Cedar Basin
2	Smallmouth Salamander	<i>Ambystoma texanum</i>	Woodlands, wetlands	Southern 1/3
3	Tiger Salamander	<i>Ambystoma tigrinum</i>	Generalist	Statewide
4	Common Mudpuppy	<i>Necturus maculosus</i>	Rivers, streams	Mississippi, Cedar, Wapsipinicon, Des Moines
5	Eastern Newt	<i>Notophthalmus viridescens</i>	Woodlands, wetlands	Cedar and Wapsipinicon Basins
6	Great Plains Toad	<i>Anaxyrus cognatus</i>	Grasslands	Western border Loess Hills
7	Fowler's Toad	<i>Anaxyrus fowleri</i>	Grasslands, Woodlands	Seven southeastern-most counties
8	Woodhouse's Toad	<i>Anaxyrus woodhousii</i>	Woodlands	Western border
9	Blanchard's Cricket Frog	<i>Acris crepitans</i>	Rivers, streams, lakes, wetlands	Statewide (more common in South)
10	Cope's Gray Treefrog	<i>Hyla chrysoscelis</i>	Wetlands, grasslands, woodland edges	Scattered statewide
11	Eastern Gray Treefrog	<i>Hyla versicolor</i>	Forests, woodlands	Statewide (more common in east)
12	Crawfish Frog	<i>Lithobates areolatus</i>	Ponds, streams, grasslands	Five southeastern counties
13	Pickerel Frog	<i>Lithobates palustris</i>	Cold water streams, rivers, ponds, impoundments	Mississippi River
14	Northern Leopard Frog	<i>Lithobates pipiens</i>	All aquatic habitat types, wetlands	Statewide
15	Southern Leopard Frog	<i>Lithobates sphenoccephalus</i>	Wetlands, ponds, backwaters, impoundments	Seven counties along south-east border
16	Plains Spadefoot	<i>Spea bombifrons</i>	Grassland	Western border

Table 18-2. Habitat preferences of SGCN - Reptiles

	Common Name	Scientific Name	Habitat Preference	Distribution
1	Snapping Turtle	<i>Chelydra serpentina</i>	Generalist	Statewide
2	Blanding's Turtle	<i>Emydoidea blandingii</i>	Shallow, well-vegetated wetlands	North-central and East
3	Wood Turtle	<i>Glyptemys insculpta</i>	Floodplain forest, rivers	North-central
4	Northern Map Turtle	<i>Graptemys geographica</i>	Rivers and streams	Eastern border
5	Southern Map Turtle	<i>Graptemys ouachitensis</i>	Mississippi River and associated oxbows	Mississippi River
6	False Map Turtle	<i>Graptemys pseudogeographica</i>	Slow portions of large rivers	Mississippi and Missouri Rivers (occasionally move west from Miss.)
7	Ornate Box Turtle	<i>Terrapene ornata</i>	Sand/loess prairie, savanna	East and southwest
8	Yellow Mud Turtle	<i>Kinosternon flavescens</i>	Shallow, ephemeral pools/herbaceous wetlands near sand soils	Southeast
9	Eastern Musk Turtle	<i>Sternotherus odoratus</i>	Herbaceous wetlands, backwaters, and spring fed ponds adjacent to sandy uplands	East
10	Smooth Softshell	<i>Apalone mutica</i>	Boundary rivers, large rivers in south	South
11	Spiny Softshell	<i>Apalone spinifera</i>	Rivers, streams, large lakes	Scattered statewide
12	Slender Glass Lizard	<i>Ophisaurus attenuatus</i>	Prairie, pastures, forest edge, savanna	South
13	Common Five-lined Skink	<i>Plestiodon fasciatus</i>	Deciduous forests along blufflands of Mississippi River	East
14	Great Plains Skink	<i>Plestiodon obsoletus</i>	Loess Hills/prairie	Three counties along southwest border
15	Prairie Skink	<i>Plestiodon septentrionalis</i>	Grasslands with loose soil and rocky areas adjacent to marshes or lakes	West and Central
16	Six-lined Racerunner	<i>Aspidocelis sexlineatus</i>	Sand/loess prairie, savanna	East and Southwest
17	Western Worm Snake	<i>Carphophis vermis</i>	Woodlands near rivers, creeks, or streams	Southern 1/3
18	(Prairie) Ringneck Snake	<i>Diadophis punctatus</i>	Forest and adjacent grasslands	Scattered throughout state except in north-central
19	Western (Plains) Hog-nosed Snake	<i>Heterodon nasicus</i>	Shortgrass prairie with sandy/gravelly soils	Clinton, Muscatine, and Louisa Counties

	Common Name	Scientific Name	Habitat Preference	Distribution
20	Eastern Hognose Snake	<i>Heterodon platirhinos</i>	Woodland, savanna, grassland	Eastern and western borders, and south
21	Prairie Kingsnake	<i>Lampropeltis calligaster</i>	Sand prairie, grasslands, and edge	Southern 1/3
22	Speckled Kingsnake	<i>Lampropeltis holbrooki</i>	Grasslands near lakes or large ponds	South-eastern 1/3
23	*Plainbelly (Copperbelly) Water Snake	<i>Nerodia erythrogaster</i>	Mississippi River and associated backwaters and wet woodland	South-east near Mississippi River
24	Diamondback Water Snake	<i>Nerodia rhombifer</i>	Rivers, ponds, backwaters, oxbows	Southeast
25	Common Water Snake	<i>Nerodia sipedon</i>	Lakes, ponds, marshes, streams, backwaters	Statewide except northwest 1/4
26	Smooth Green Snake	<i>Opheodrys vernalis</i>	Wet prairie and grasslands adjacent to lakes and impoundments	Scattered throughout the state
27	Western Rat Snake	<i>Elaphe obsoleta</i>	Heavily wooded blufflands along rivers	Mississippi River and south
28	Western Fox Snake	<i>Pantherophis ramspotti</i>	Wooded rivers/streams, grasslands near lakes and marshes	Statewide
29	Gopher (Bull) Snake	<i>Pituophis catenifer</i>	Sand and bluff prairies, savanna, pasture	Statewide
30	Graham's Crayfish Snake	<i>Regina grahamii</i>	Ponds, sloughs, marshes, floodplains, creeks	South and central
31	(Northern) Redbelly Snake	<i>Storeria occipitomaculata</i>	Woodland and adjacent grasslands near water	North and southwest
32	Western Ribbon Snake	<i>Thamnophis proximus</i>	Herbaceous wetland, ponds, streams, rivers	Southern half
33	Plains Garter Snake	<i>Thamnophis radix</i>	Generalist	Statewide
34	Lined Snake	<i>Tropidoclonion lineatum</i>	Grassland, pasture, woodland edge	Northwest and south
35	Smooth Earth Snake	<i>Virginia valeriae</i>	Wet woodland in river valleys	Along Des Moines and Chariton Rivers in southeast and central
36	Copperhead	<i>Agkistrodon contortrix</i>	Forested, rocky hillsides	Lee and Van Buren counties
37	Timber Rattlesnake	<i>Crotalus horridus</i>	Forested areas near rock outcrops, woodland, bluff prairie	Mississippi River and south-central/southeast
38	Prairie Rattlesnake	<i>Crotalus viridis</i>	Prairie	Plymouth County
39	Eastern Massasauga	<i>Sistrurus catenatus</i>	Prairie wetland close to rivers and adjacent upland prairie	Wapsipinicon and Iowa Rivers in east

	Common Name	Scientific Name	Habitat Preference	Distribution
40	Western Massasauga	<i>Sistrurus turgeminus</i>	Prairie wetland close to rivers and adjacent upland prairie	Mills County

Table 18-3. Habitat preferences of SGCN - Breeding Birds

	Common Name	Scientific Name	Habitat Preference	Distribution
1	Trumpeter Swan	<i>Cygnus buccinator</i>	Wetland	Statewide
2	American Wigeon	<i>Anas americana</i>	Wetland	Statewide
3	Blue-winged Teal	<i>Anas discors</i>	Wetland	Statewide
4	Northern Pintail	<i>Anas acuta</i>	Wetland, grassland	Northern half
5	Canvasback	<i>Aythya valisineria</i>	Wetland	Northwest and north-central
6	Redhead	<i>Aythya americana</i>	Wetland	Northwest and north-central
7	Ring-necked Duck	<i>Aythya collaris</i>	Wetland	Statewide
8	Lesser Scaup	<i>Aythya affinis</i>	Wetland	Statewide
9	Northern Bobwhite	<i>Colinus virginianus</i>	Grassland, shrubland	Southern 3/4
10	Ruffed Grouse	<i>Bonasa umbellus</i>	Open woodland, dense forest	Northeast, southeast, and south-central
11	Sharp-tailed Grouse	<i>Tympanuchus phasianellus</i>	Grassland, shrubland	West
12	Greater Prairie-Chicken	<i>Tympanuchus cupido</i>	Grassland	Southwest, south-central
13	Red-necked Grebe	<i>Podiceps grisegena</i>	Wetland	Scattered statewide except southwest
14	Eared Grebe	<i>Podiceps nigricollis</i>	Wetland	Scattered statewide
15	American White Pelican	<i>Pelecanus erythrorhynchos</i>	Wetland	Statewide
16	American Bittern	<i>Botaurus lentiginosus</i>	Wetland	Northern 2/3
17	Black-crowned Night-Heron	<i>Nycticorax nycticorax</i>	Wetland, wet shrubland	Northern 2/3
18	White-faced Ibis	<i>Plegadis chihi</i>	Marsh	Sioux and Johnson Counties
19	Bald Eagle	<i>Haliaeetus leucocephalus</i>	Forest, Rivers	Statewide
20	Northern Harrier	<i>Circus cyaneus</i>	Grassland, marsh	Statewide
21	Red-shouldered Hawk	<i>Buteo lineatus</i>	Riparian forest	Eastern 3/4
22	Broad-winged Hawk	<i>Buteo platypterus</i>	Deciduous forest	Statewide
23	Swainson's Hawk	<i>Buteo swainsoni</i>	Grassland, savanna, ag	Statewide except southeast
24	King Rail	<i>Rallus elegans</i>	Wetland	East and north-central
25	Common Gallinule (formerly Moorhen)	<i>Gallinula chloropus</i>	Wetland	North, east, and west
26	Piping Plover	<i>Charadrius melodus</i>	Wetland, Rivers	Missouri River
27	Upland Sandpiper	<i>Bartramia longicauda</i>	Grassland	Scattered statewide

	Common Name	Scientific Name	Habitat Preference	Distribution
28	Wilson's Snipe	<i>Gallinago delicata</i>	Marsh	Statewide
29	American Woodcock	<i>Scolopax minor</i>	Open woodland, dense forest, riparian forest	Statewide
30	Wilson's Phalarope	<i>Phalaropus tricolor</i>	Wetland, grassland	Northern half
31	Franklin's Gull	<i>Larus pipixcan</i>	Wetland	Scattered statewide
32	Least Tern	<i>Sterna antillarum</i>	Wetland, Rivers	Missouri River
33	Black Tern	<i>Chlidonias niger</i>	Wetland	Statewide
34	Forster's Tern	<i>Sterna forsteri</i>	Wetland	North-central, central, and east
35	Yellow-billed Cuckoo	<i>Coccyzus americanus</i>	Forest, shrubland, open woodland	Statewide
36	Black-billed Cuckoo	<i>Coccyzus erythrophthalmus</i>	Forest, shrubland, open woodland	Statewide
37	Barn Owl	<i>Tyto alba</i>	Savanna	Southern 2/3 and northeast
38	Eastern Screech-owl	<i>Otus asio</i>	Forest/woodland	Statewide
39	Burrowing Owl	<i>Speotyto cunicularia</i>	Grassland	Northwest and north-central
40	Long-eared Owl	<i>Asio otus</i>	Open woodland, savanna, deciduous forest	Statewide
41	Short-eared Owl	<i>Asio flammeus</i>	Grassland	Scattered Statewide
42	Common Nighthawk	<i>Chordeiles minor</i>	Grassland, savanna	Statewide
43	Chuck-will's-widow	<i>Caprimulgus carolinensis</i>	Open woodland	Western 1/4 and southeast
44	Eastern Whip-poor-will	<i>Caprimulgus vociferus</i>	Deciduous forest, open woodland	Statewide
45	Chimney Swift	<i>Chaetura pelagica</i>	Towns	Statewide
46	Belted Kingfisher	<i>Ceryle alcyon</i>	Wetland, riparian	Statewide
47	Red-headed Woodpecker	<i>Melanerpes erythrocephalus</i>	Savanna, open woodland, decid forest	Statewide
48	Northern Flicker	<i>Colaptes auratus</i>	Open woodland	Statewide
49	American Kestrel	<i>Falco sparverius</i>	Open woodland	Statewide
50	Peregrine Falcon	<i>Falco peregrinus</i>	Riparian forest, deciduous forest	Scattered statewide
51	Eastern Wood-pewee	<i>Contopus virens</i>	Forest/woodland	Statewide
52	Acadian Flycatcher	<i>Empidonax virens</i>	Deciduous, riparian forest	Scattered statewide except northwest corner
53	Say's Phoebe	<i>Sayornis saya</i>	Grassland	East-central and northwest
54	Eastern Kingbird	<i>Tyrannus tyrannus</i>	Grassland, edges	Statewide
55	Loggerhead Shrike	<i>Lanius ludovicianus</i>	Savannas, grasslands	Scattered statewide
56	Bell's Vireo	<i>Vireo bellii</i>	Shrubland, savanna	Scattered statewide
57	Horned Lark	<i>Eremophila alpestris</i>	Sparse grassland, agricultural land	Statewide

	Common Name	Scientific Name	Habitat Preference	Distribution
58	Purple Martin	<i>Progne subis</i>	Towns and wetlands	Statewide
59	Bank Swallow	<i>Riparia riparia</i>	Areas near rivers and streams	Statewide
60	Sedge Wren	<i>Cistothorus platensis</i>	Marsh	Statewide
61	Bewick's Wren	<i>Thryomanes bewickii</i>	Open woodland, shrubland	Southeast half
62	Veery	<i>Catharus fuscescens</i>	Riparian forest	Scattered statewide (less common in southwest)
63	Wood Thrush	<i>Hylocichla mustelina</i>	Forest	Scattered statewide
64	Brown Thrasher	<i>Toxostoma rufum</i>	Shrubland	Statewide
65	Worm-eating Warbler	<i>Helmitheros vermivorus</i>	Deciduous forest	Scattered statewide except in northwest
66	Golden-winged Warbler	<i>Vermivora chrysoptera</i>	Open woodland	Scattered statewide (less common in southwest)
67	Prothonotary Warbler	<i>Protonotaria citrea</i>	Riparian forest	Scattered statewide (less common in western half)
68	Kentucky Warbler	<i>Geothlypis formosus</i>	Deciduous and riparian forest	Scattered statewide (less common in western half)
69	Common Yellowthroat	<i>Geothlypis trichas</i>	Shrubland and grassland	Statewide
70	Cerulean Warbler	<i>Setophaga cerulea</i>	Deciduous forest	Scattered statewide (less common in western half)
71	Field Sparrow	<i>Spizella pusilla</i>	Shrubland, grassland	Statewide
72	Grasshopper Sparrow	<i>Ammodramus savannarum</i>	Grassland	Statewide
73	Henslow's Sparrow	<i>Ammodramus henslowii</i>	Grassland	Scattered statewide (less common in northwest 1/4)
74	Dickcissel	<i>Spiza americana</i>	Grassland	Statewide
75	Bobolink	<i>Dolichonyx oryzivorus</i>	Grassland	Statewide
76	Eastern Meadowlark	<i>Sturnella magna</i>	Grassland, savanna	Statewide
77	Western Meadowlark	<i>Sturnella neglecta</i>	Grassland	Statewide
78	Baltimore Oriole	<i>Icterus galbula</i>	Open woodland	Statewide

Table 18-4. Habitat preferences of SGCN – Non-Breeding Birds

	Common Name	Scientific Name	Habitat Preference	Distribution
1	Greater Scaup	<i>Aythya marila</i>	Lakes, rivers, wetlands	Scattered statewide
2	Common Loon	<i>Gavia immer</i>	Open water, lakes	Scattered statewide
3	Little Blue Heron	<i>Egretta caerulea</i>	Marsh	Scattered statewide
4	Yellow Rail	<i>Coturnicops noveboracensis</i>	Wetland, grassland	Scattered statewide
5	Black Rail	<i>Laterallus jamaicensis</i>	Marsh	East-central, central, and northwest
6	Whooping Crane	<i>Grus americana</i>	Wetland, grassland	Northeast/north-central, southwest, and Polk County
7	Black-bellied plover	<i>Pluvialis squatarola</i>	Wetland	Scattered statewide
8	American Golden-Plover	<i>Pluvialis dominica</i>	Wetland	Scattered statewide
9	Lesser Yellowlegs	<i>Tringa flavipes</i>	Wetland	Statewide
10	Whimbrel	<i>Numenius phaeopus</i>	Wetland	West, central, and three counties in east
11	Long-billed Curlew	<i>Numenius americanus</i>	Grassland	Western half and Jefferson County
12	Hudsonian Godwit	<i>Limosa haemastica</i>	Wetland	Scattered statewide (less common in eastern 1/4)
13	Marbled Godwit	<i>Limosa fedoa</i>	Wetland	Scattered statewide
14	Ruddy Turnstone	<i>Arenaria interpres</i>	Wetland	Scattered statewide (more common in north-central)
15	Red Knot	<i>Calidris canutus</i>	Wetland	Southern half and Kossuth and Dickinson Counties
16	Sanderling	<i>Calidris alba</i>	Wetland	Scattered statewide
17	Semipalmated Sandpiper	<i>Calidris pusilla</i>	Wetland	Statewide
18	White-rumped Sandpiper	<i>Calidris fuscicollis</i>	Wetland	Scattered statewide
19	Pectoral Sandpiper	<i>Calidris melanotos</i>	Wetland and grassland	Statewide
20	Stilt Sandpiper	<i>Micropalama himantopus</i>	Wetland	Scattered statewide
21	Buff-breasted Sandpiper	<i>Tryngites subruficollis</i>	Wetland and short grassland	Scattered statewide
22	Short-billed Dowitcher	<i>Limnodromus griseus</i>	Marsh	Scattered statewide
23	Long-billed Dowitcher	<i>Limnodromus scolopaceus</i>	Marsh	Scattered statewide
24	Caspian Tern	<i>Sterna caspia</i>	Wetland	Scattered statewide
25	Olive-sided Flycatcher	<i>Contopus cooperi</i>	Coniferous forests, openings and edges	Statewide

	Common Name	Scientific Name	Habitat Preference	Distribution
26	Sprague's pipit	<i>Anthus spragueii</i>	Grassland	Northwest, southwest, central
27	Bohemian Waxwing	<i>Bombycilla garrulus</i>	Coniferous or mixed forest	Scattered statewide
28	Smith's Longspur	<i>Calcarius pictus</i>	Grassland	Scattered statewide except northeast
29	Bay-breasted Warbler	<i>Dendroica castanea</i>	Forest/woodland	Scattered statewide
30	Canada Warbler	<i>Cardellina canadensis</i>	Deciduous woodland	Scattered statewide
31	American Tree Sparrow	<i>Spizella arborea</i>	Open woodland	Statewide
32	Le Conte's Sparrow	<i>Ammodramus leconteii</i>	Grassland, wetland edges	Scattered statewide except portions of the southwest
33	Harris's Sparrow	<i>Zonotrichia querula</i>	Pastures, hedgerows	Statewide
34	White-winged Crossbill	<i>Loxia leucoptera</i>	Coniferous forest	Scattered statewide (less common in southwest corner)

Table 18-5. Habitat preferences of SGCN – Butterflies

	Common Name	Scientific Name	Habitat Preference	Distribution
1	Pipevine Swallowtail	<i>Battus philenor</i>	Forest, open fields, and roadsides	Southeast 1/4
2	Zebra Swallowtail	<i>Eurytides marcellus</i>	Riparian woodland	Southern half
3	Spicebush Swallowtail	<i>Papilio troilus</i>	Woodlands	Southeast 1/4, west-central, and northeast
4	Olympia Marble	<i>Euchloe olympia</i>	Open woodland, river bluffs, areas of poor soil, and grasslands	Western 1/3 and northeast
5	Harvester	<i>Feniseca tarquinius</i>	Woodland and streams	East and southwest/west-central
6	Purplish Copper	<i>Lycaena helloides</i>	Moist or disturbed areas	Scattered statewide except southwest
7	Acadian Hairstreak	<i>Satyrium acadica</i>	Riparian areas, woodlands, prairies	Scattered
8	Edward's Hairstreak	<i>Satyrium edwardsii</i>	Woodlands, clearings, and areas of poor soil	Scattered statewide except north-central
9	Hickory Hairstreak	<i>Satyrium caryaevorum</i>	Forest	Northeast 1/4 and west

	Common Name	Scientific Name	Habitat Preference	Distribution
10	Striped Hairstreak	<i>Satyrium liparops</i>	Forest openings/edges, prairie along streams	Scattered
11	White M. Hairstreak	<i>Parrhasius m-album</i>	Woodland, savanna	Southeast 1/4
12	Henry's Elfin	<i>Callophrys henrici</i>	Woodland	Southern 1/3
13	Reakirt's Blue	<i>Echinargus (Hemiargus) isola</i>	Native prairie	Scattered (more common in northwest)
14	Silvery Blue	<i>Glaucopsyche lygdamus</i>	Prairie, open fields, and woodland openings	Northern half and Lee County
15	Melissa Blue	<i>Plebejus (Lycaeides) melissa</i>	Prairies and grasslands	Northwest 1/4 and Lucas County
16	Aphrodite Fritillary	<i>Speyeria aphrodite</i>	High quality prairie, wetlands, and fens	Scattered (more common in northern half)
17	Regal Fritillary	<i>Speyeria idalia</i>	Prairie and open grassland	Statewide
18	Silver-bordered Fritillary	<i>Boloria selene</i>	Fens, wet prairie, and meadows	Northeast 1/4 and northwest corner
19	Gorgone Checkerspot	<i>Chlosyne gorgone</i>	Oldfield, roadsides, pastures, vacant lots, and native prairie	Scattered statewide except north-central
20	Baltimore Checkerspot	<i>Euphydryas phaeton</i>	Wetlands, fens, and bogs	Eastern half
21	'Ozark' Baltimore Checkerspot	<i>Euphydryas phaeton ozarkae</i>	Wetlands, fens, bogs, and woodlands	Lee and Henry Counties
22	Compton Tortoiseshell	<i>Nymphalis vaualbum (l-album)</i>	Large tracts of forest	Eastern half and Pocahontas County
23	Common Ringlet	<i>Coenonympha tullia</i>	Prairie and marsh edge, road ditches	Lyon, Osceola, Dickinson, and Palo Alto Counties
24	Eyed Brown	<i>Satyrodes eurydice</i>	Fens, wet prairies, and marshes	Northern 2/3
25	Monarch	<i>Danaus plexippus</i>	Open habitat and disturbed areas	Statewide
26	Southern Cloudywing	<i>Thorybes bathyllus</i>	Xeric prairie	Scattered statewide except far north and north-central
27	Hayhurst's Scallopwing	<i>Staphylus hayhurstii</i>	Floodplain and Loess Hills forests	Scattered within southern half
28	Dreamy Duskywing	<i>Erynnis icelus</i>	Woodland or edge	Allamakee County
29	Sleepy Duskywing	<i>Erynnis brizo</i>	Oak barrens, sand or shale soils	South half and east
30	Juvenal's Duskywing	<i>Erynnis juvenalis</i>	Oak forests	Scattered (more common in east 1/4)

	Common Name	Scientific Name	Habitat Preference	Distribution
31	Mottled Duskywing	<i>Erynnis martialis</i>	Xeric prairie	Scattered (more common in west)
32	Columbine Duskywing	<i>Erynnis lucilius</i>	Rocky, wooded ravines	Eastern 1/4
33	Poweshiek Skipperling	<i>Oarisma poweshiek</i>	High quality tallgrass prairie	Northern 1/4
34	Ottoo Skipper	<i>Hesperia ottoe</i>	High quality mid- and tallgrass prairie	Loess Hills and northeast
35	Leonard's Skipper	<i>Hesperia leonardus</i>	Open grasslands	Southern Loess Hills and Jackson County
36	Dakota Skipper	<i>Hesperia dacotae</i>	Prairie	Dickinson County
37	Crossline Skipper	<i>Polites origines</i>	Xeric prairie	Scattered
38	Long Dash	<i>Polites mystic</i>	Xeric prairie in northwest, fens and wet prairies in northeast	Northern 2/3
39	Northern Broken-dash	<i>Wallengrenia egeremet</i>	Fens, xeric prairie, forest/woodland	Scattered except in north-central
40	Little Glassywing	<i>Pompeius verna</i>	Woodland edge	Scattered
41	Arogos Skipper	<i>Atrytone arogos</i>	Prairies and grasslands	Western half
42	Byssus Skipper	<i>Problema byssus</i>	Tallgrass prairie	Southern half
43	Mulberry Wing	<i>Poanes massasoit</i>	Wetlands, fens	Northwest 1/4
44	Broad-winged Skipper	<i>Poanes viator</i>	Wetlands, fens	North-central
45	Dion Skipper	<i>Euphyes dion</i>	Sedge wetlands	Northern 2/3
46	Black Dash	<i>Euphyes conspicua</i>	Fens, wet prairies, marshes	Scattered statewide except in southwest
47	Two-spotted Skipper	<i>Euphyes bimacula</i>	Sedge meadows and marshes	Scattered
48	Dusted Skipper	<i>Atrytonopsis hianna</i>	Bluestem grasslands and oldfields	Loess Hills, Dickinson, Palo Alto, Allamakee, and Jackson
49	Pepper and Salt Skipper	<i>Amblyscirtes hegon</i>	Woodland edge and grass waterways	Allamakee County
50	Common Roadside-Skipper	<i>Amblyscirtes vialis</i>	High quality, xeric prairie	Loess Hills and southeast and northwest corner
51	Swarthy Skipper	<i>Nastra lherminier</i>		

Table 18-6. Habitat preferences of SGCN – Crayfish

	Common Name	Scientific Name	Habitat Preference	Distribution
1	Devil Crayfish	<i>Cambarus diogenes</i>	Streams, creeks	
2	Calico Crayfish	<i>Orconectes immunis</i>	Sloughs, floodplains	
3	Golden Crayfish	<i>Orconectes luteus</i>	Rivers, streams, creeks	
4	Northern Clearwater Crayfish	<i>Orconectes propinquus</i>	Cool water streams	
5	Virile Crayfish	<i>Orconectes virilis</i>	Rivers, streams, ponds lacking predatory fish	
6	Prairie Crayfish	<i>Procambarus gracilis</i>	Grasslands	
7	White River Crayfish	<i>Procambrus acutus</i>		

Table 18-7. Habitat preferences of SGCN – Dragonflies & Damselflies

	Common Name	Scientific Name	Habitat Preference	Distribution
1	Spotted Spreadwing	<i>Lestes congener</i>	Ponds	Southeast and northwest corners, Allamakee county
2	Amber-winged Spreadwing	<i>Lestes eurinus</i>	Shallow ponds and wetlands	Eastern half, south-central, and Dickinson County
3	Sweetflag Spreadwing	<i>Lestes forcipatus</i>		North-, south-, and east-central
4	Paiute Dancer	<i>Argia alberta</i>	Small streams, marshy springs	Western 1/3 and Polk County
5	Springwater Dancer	<i>Argia plana</i>	Small, shallow springs with canopy cover and clay substrate	Scattered statewide
6	Prairie Bluet	<i>Coenagrion angulatum</i>		Northwest 1/4
7	Taiga Bluet	<i>Coenagrion resolutum</i>	Ponds and wetlands	Northern 2/3

	Common Name	Scientific Name	Habitat Preference	Distribution
8	Boreal Bluet	<i>Enallagma boreale</i>	Fishless ponds, lakes, and slow flow streams	Northern 1/3 and Muscatine County
9	Alkali Bluet	<i>Enallagma clausum</i>	Ponds and lakes	Western side of northern border and Dallas County
10	Western Forktail	<i>Ischnura perparva</i>	Heavily vegetated ponds, lakes, and slow flow streams with mud substrate	Sac County
11	Sedge Sprite	<i>Nehalennia irene</i>	Ponds and wetlands	Scattered statewide except southeast corner
12	Canada Darner	<i>Aeshna canadensis</i>	Marshes, pond edges	Northeast 1/4
13	Variable Darner	<i>Aeshna interrupta</i>	Lakes, ponds, streams	Northwest 1/4
14	Midland Clubtail	<i>Gomphus fraternus</i>	Creeks and rivers	Northeast 2/3 and Woodbury County
15	Sulphur-tipped Clubtail	<i>Gomphus militaris</i>	Ponds, lakes, streams, and creeks with mud substrate	South side of eastern border and south-central
16	Rapids Clubtail	<i>Gomphus quadricolor</i>	Rocky creeks	Fayette County
17	Rusty Snaketail	<i>Ophiogomphus rupinsulensis</i>	Sandy, rocky creeks	Northeast 1/4
18	Pale Snaketail	<i>Ophiogomphus severus</i>	Rivers and streams with fast flow and cobble substrate	Plymouth County
19	Sioux Snaketail	<i>Ophiogomphus smithi</i>	Sand bottomed streams	Northeast 1/4
20	Westfall's Snaketail	<i>Ophiogomphus westfalli</i>	Clear forest streams with strong riffles and cobble substrate	Hamilton County
21	Brimstone Clubtail	<i>Stylurus intricatus</i>	Strong-flowing, open streams and rivers	Audubon, Page, and Woodbury County
22	Elusive Clubtail	<i>Stylurus notatus</i>	Creeks and rivers with sandy substrate	Scattered statewide except southwest and south-central
23	Arrow Clubtail	<i>Stylurus spiniceps</i>	Rivers with sandy substrate	Bremer and Clayton Counties
24	Stream Cruiser	<i>Didymops transversa</i>	Medium to large streams and rivers	Van Buren County
25	Royal River Cruiser	<i>Macromia taeniolata</i>	Lakes, rivers	Eastern border
26	Slender Baskettail	<i>Epitheca costalis</i>	Lakes, ponds, and backwaters	Lucas and Warren Counties
27	Smoky Shadowdragon	<i>Neurocordulia molesta</i>	Fast-flowing rivers and medium sized streams	Northeast, east-central, central, and Cherokee County
28	Stygian Shadowdragon	<i>Neurocordulia yamaskanensis</i>	Mississippi River	Allamakee and Clayton Counties
29	Plains Emerald	<i>Somatochlora ensigera</i>	Streams	Northwest 1/4 and

	Common Name	Scientific Name	Habitat Preference	Distribution
				Winneshiek and Delaware Counties
30	Carolina Saddlebags	<i>Tramea carolina</i>	Marsh	Mahaska county

Table 18-8. Habitat preferences of SGCN – Fish

	Common Name	Scientific Name	Distribution	Habitat Preference	Substrate	Flow
1	Chestnut lamprey	<i>Ichthyomyzon castaneus</i>	Miss., Chariton	Rivers		
2	Northern brook lamprey	<i>Ichthyomyzon fossor</i>	Northeast 1/4	Stream	Muck	Moderate to fast
3	Silver lamprey	<i>Ichthyomyzon unicuspis</i>	Miss.	Rivers, impoundments, lakes		
4	American brook lamprey	<i>Lampetra appendix</i>	Northeast 1/4	Small to medium rivers and streams		
5	Lake sturgeon	<i>Acipenser fulvescens</i>	Miss.	Large rivers and lakes	Sand, gravel, rock	
6	Pallid sturgeon	<i>Scaphirhynchus albus</i>	Mo.	Large, turbid rivers	Gravel, sand	Fast
7	Shovelnose sturgeon	<i>Scaphirhynchus platyrhynchus</i>	Miss., Mo.	Large, turbid rivers		
8	Paddlefish	<i>Polyodon spathula</i>	Miss., Mo., DM, Cedar, Iowa, Skunk	Medium to large rivers, backwater, and impoundments		Slow
9	American eel	<i>Anguilla rostrata</i>	Miss., Mo., and larger tributaries	Rivers, large streams and lakes		
10	Skipjack herring	<i>Alosa chrysochloris</i>	Miss., Mo.	Medium to large rivers and large impoundments	Sand and gravel	
11	Largescale stoneroller	<i>Campostoma oligolepis</i>	Northeast 1/3	Medium to large clear streams	Gravel	
12	Gravel chub	<i>Erimystax x-punctatus</i>	Northern 1/2	Large streams and rivers	Gravel	
13	Western silvery minnow	<i>Hybognathus argyritis</i>	Mo. Drainage	Backwater	Sand, muck	

	Common Name	Scientific Name	Distribution	Habitat Preference	Substrate	Flow
14	Mississippi silvery minnow	<i>Hybognathus nuchalis</i>	Eastern Miss. drainage	Backwater		Slow
15	Plains minnow	<i>Hybognathus placitus</i>	Mo. drainage	Stream, river	Silt	Slow
16	Pallid shiner	<i>Hybopsis amnis</i>	Upper. Miss.	Medium to large rivers	Sand, muck	
17	Redfin shiner	<i>Lythrurus umbratilis</i>	Northeast 1/4	Rivers, streams, and creeks		
18	Shoal chub	<i>Macrhybopsis hyostomus</i>	Large interior rivers statewide	Rivers	Sand, cobble	Moderate to fast
19	Sturgeon chub	<i>Macrhybopsis gelida</i>	Eastern half and Mo.	Warm, turbid rivers		
20	Sicklefin chub	<i>Macrhybopsis meeki</i>	Mo.	Large, turbid rivers	Gravel, sand	
21	Pearl dace	<i>Margariscus margarita</i>	Worth County	Ponds and small lakes	Sand, gravel	
22	Golden shiner	<i>Notemigonus crysoleucas</i>				
23	Pugnose shiner	<i>Notropis anogenus</i>	West Lake Okoboji	Clear, vegetated lakes	Silt, sand, gravel	
24	River shiner	<i>Notropis blennioides</i>				
25	Ghost shiner	<i>Notropis buchanaui</i>	Miss.	Large creeks and small to medium rivers		Slow
26	Blacknose shiner	<i>Notropis heterolepis</i>	Northwest	Creeks, small rivers, and lakes with cool water	Sand	
27	Ozark minnow	<i>Notropis nubilis</i>	Northeast 1/4	Creeks and small to medium rivers	Gravel, rock	Fast
28	Carmine shiner	<i>Notropis percobromus</i>	Northeast 1/4			
29	Silverband shiner	<i>Notropis shumardi</i>				
30	Weed shiner	<i>Notropis texanus</i>	Cedar, Miss.	Creeks and small to medium rivers	Sand	
31	Topeka shiner	<i>Notropis topeka</i>	DM, Boone, Raccoon, Rock drainages	Backwaters, creeks, streams, and rivers with clear water		Slow
32	Mimic shiner	<i>Notropis volucellus</i>				
33	Channel shiner	<i>Notropis wickliffi</i>	Iowa River			

	Common Name	Scientific Name	Distribution	Habitat Preference	Substrate	Flow
34	Pugnose minnow	<i>Opsopoeodus emiliae</i>	Miss.	Vegetated lakes, impoundments and streams		Slow
35	Suckermouth minnow	<i>Phenacobius mirabilis</i>	Upper DM basin			
36	Southern redbelly dace	<i>Phoxinus erythrogaster</i>	Northeast 1/3 and Northwest 1/4			
37	Flathead chub	<i>Platygobio gracilis</i>	Mo. drainage	Turbid rivers		
38	Longnose dace	<i>Rhinichthys cataractae</i>	Northeast corner	Clear, small to medium rivers	Gravel, rock	Fast
39	Blue sucker	<i>Cycleptus elongatus</i>	Miss., Mo., and large tributaries	Large rivers		
40	Lake chubsucker	<i>Erimyzon succetta</i>				
41	Black buffalo	<i>Ictiobus niger</i>	Miss. and large tributaries	Backwaters, rivers, and impoundments		
42	Spotted sucker	<i>Minytrema melanops</i>	Miss.	Small to medium rivers	Firm	Slow
43	Silver redhorse	<i>Moxostoma anisurum</i>				
44	River redhorse	<i>Moxostoma carinatum</i>	Upper pools of Miss.	Large creeks and river with clear water		
45	Black redhorse	<i>Moxostoma duquesnei</i>	Turkey, Upper Iowa, Cedar, Wapsi, drainages	Creeks and small to medium rivers	Gravel, rock	
46	Brown bullhead	<i>Ameiurus nebulosus</i>	Northern 1/3	Ponds, lakes, backwaters, impoundments, and streams		Slow
47	Blue catfish	<i>Ictalurus furcatus</i>	Lower Miss, Mo.	Rivers and backwaters		
48	Slender madtom	<i>Noturus exilis</i>	Miss. tributaries	Medium to large streams and small to medium rivers		Moderate to fast

	Common Name	Scientific Name	Distribution	Habitat Preference	Substrate	Flow
49	Tadpole madtom	<i>Noturus gyrinus</i>	Statewide	Vegetated lakes, impoundments, backwaters, creeks, and rivers	Muck	Slow
50	Freckled madtom	<i>Noturus nocturnus</i>	Miss. drainage	Creeks and rivers		Slow to moderate
51	Redfin (Grass) pickerel	<i>Esox americanus</i>	Miss. and tributaries	Vegetated backwaters, ponds, and small lakes		Slow
52	Northern pike	<i>Esox lucius</i>				
53	Central mudminnow	<i>Umbra limi</i>	Northern 1/3	Vegetated streams and backwaters		Slow
54	Brook Trout	<i>Salvelinus fontinalis</i>	Northeast corner	Cool creeks, streams, and rivers	Sand, gravel, cobble, rock	Moderate to fast
55	Trout perch	<i>Percopsis omiscomaycus</i>	Northwest 1/4, Miss., Grand, Chariton	Streams and rivers	Sand	
56	Pirate perch	<i>Aphredoderus sayanus</i>	Miss. and large tributaries	Vegetated lakes, ponds, and backwaters		
57	Burbot	<i>Lota lota</i>	Mo., Miss. and Miss. tributaries	Deep, cold lakes and rivers		
58	Brook silverside	<i>Labidesthes sicculus</i>	East			
59	Banded killifish	<i>Fundulus diaphanus</i>	Natural lakes in northwest Mo.	Lakes, ponds, streams		Slow
60	Starhead topminnow	<i>Fundulus dispar</i>	Little Sioux and Iowa	Creeks and backwaters	Muck	None
61	Blackstripe topminnow	<i>Fundulus notatus</i>	Eastern 1/3	Turbid backwaters and streams		
62	Plains topminnow	<i>Fundulus sciadicus</i>	Rock River basin	Creeks, streams, and backwaters		Moderate
63	Mottled sculpin	<i>Cottus bairdii</i>	Lower Bear Creek	Clear, cool, creeks and small rivers	Sand, gravel, rock	

	Common Name	Scientific Name	Distribution	Habitat Preference	Substrate	Flow
64	Slimy sculpin	<i>Cottus cognatus</i>	Northeast corner	Cold streams	Rock	Fast
65	Rock bass	<i>Ambloplites rupestris</i>			Rock	
66	Northern (longear) sunfish	<i>Lepomis peltastes</i>				
67	Western sand darter	<i>Ammocrypta clara</i>	Miss.	Medium to large rivers	Sand	Slow to moderate
68	Crystal darter	<i>Crystallaria asprella</i>	Miss., Turkey	Small to medium rivers	Sand, gravel	
69	Mud darter	<i>Etheostoma asprigene</i>	Miss. and tributaries	Backwaters and rivers	Sand, muck	Slow
70	Rainbow darter	<i>Etheostoma caeruleum</i>	Cedar River basin			
71	Bluntnose darter	<i>Etheostoma chlorosomum</i>	Miss.	Small to medium rivers, creeks, and backwaters	Sand, muck	Slow
72	Iowa darter	<i>Etheostoma exile</i>	Northern 1/2	Cool creeks, ponds, and lakes	Muck, sand	None or slow
73	Least darter	<i>Etheostoma microperca</i>	Maquoketa, tributaries to Otter Creek	Vegetated creeks		Slow
74	Orangethroat darter	<i>Etheostoma spectabile</i>	Southeast 1/4	Creeks and small rivers	Sand, cobble, gravel, bedrock	Moderate to fast
75	Banded darter	<i>Etheostoma zonale</i>	Northeast 1/4	Rivers and large creeks	Cobble, gravel	Moderate
76	Logperch	<i>Percina caprodes</i>	Miss. drainage, Clear Lake	Creeks, streams, rivers, lakes, and impoundments	Sand, gravel	Moderate to fast
77	Blackside darter	<i>Percina maculata</i>	Northern 2/3	Creeks, and small to medium rivers	Sand, gravel	Slow
78	Slenderhead darter	<i>Percina phoxocephala</i>	Miss. drainage	Creeks and small to medium rivers	Cobble, gravel, and bedrock	Moderate to fast
79	River darter	<i>Percina shumardi</i>	Miss.	Large rivers	Gravel, rock	Fast

Table 18-9. Habitat preferences of SGCN – Mammals

	Common Name	Scientific Name	Habitat Preference	Distribution
1	Hayden's Shrew	<i>Sorex haydeni</i>	Grasslands, wetlands, riparian	West
2	Elliot's Short-tailed Shrew	<i>Blarina hylophaga</i>	Forest, woodland, savanna, grassland	Extreme southwest
3	Southern Short-tailed Shrew	<i>Blarina carolinensis</i>	Forests, shrublands, grasslands, wetlands	
4	Least Shrew	<i>Cryptotis parva</i>	Woodland, savanna, grassland, riparian	West
5	Northern (Myotis) Long-eared Bat	<i>Myotis septentrionalis</i>	Forest, woodlands	Statewide
6	Little Brown Bat	<i>Myotis lucifigus</i>		Statewide
7	Indiana Bat	<i>Myotis sodalis</i>	Forest, upland and riparian	Southeast two-thirds
8	Silver-haired Bat	<i>Lasionycteris noctivagans</i>	Woodland edge, riparian	Statewide
9	Eastern Pipistrelle	<i>Perimyotis subflavus</i>	Woodland edge, riparian	East
10	Evening Bat	<i>Nycticeius humeralis</i>	Forest, riparian	Southern half
11	White-tailed Jackrabbit	<i>Lepus townsendii</i>	Short grasslands	Central/north-central
12	Franklin's Ground Squirrel	<i>Spermophilus franklinii</i>	Tallgrass prairie, savanna and roadsides	State-wide
13	Southern Flying Squirrel	<i>Glaucomys volans</i>	Forest	East, south (disjunct)
14	Plains Pocket Gopher	<i>Geomys bursarius</i>	Open grassy areas with well drained soil	State-wide
15	Plains Pocket Mouse	<i>Perognathus flavescens</i>	Prairie, sand and loess	West, disjunct in east
16	Southern Bog Lemming	<i>Synaptomys cooperi</i>	Moist grassland	State-wide
17	Woodland Vole	<i>Microtus pinetorum</i>	Forest	East two-thirds
18	Gray Fox	<i>Urocyon cinereoargenteus</i>	Mixed forests	Central/north-central
19	Long-tailed Weasel	<i>Mustela frenata</i>	Generalist	Statewide
20	Least Weasel	<i>Mustela nivalis</i>	Grassland	Statewide
21	Spotted Skunk	<i>Spilogale putorius</i>	Grassland, savanna, forest, and farmsteads	
22	Ermine	<i>Mustela ermine</i>	Woodland, riparian	

Table 18-10. Habitat preferences of SGCN – Mussels

	Common Name	Scientific Name	Distribution	Habitat Preference	Substrate	Flow
1	Mucket	<i>Actinonaias ligamentina</i>	Cedar River	Medium to large rivers	Firm gravel	
2	Elktoe	<i>Alasmidonta marginata</i>	Northeast 3/4	Medium streams	Sand, gravel	Moderate

	Common Name	Scientific Name	Distribution	Habitat Preference	Substrate	Flow
3	Slippershell	<i>Alasmidonta viridis</i>	East	Creeks, streams	Sand, muck	
4	Three Ridge	<i>Amblema plicata</i>	Miss. and Iowa Rivers	Small to large rivers and lakes	Gravel, sand, mud	
5	Flat Floater	<i>Anodonta suborbiculata</i>	Miss. River	Ponds, lakes, rivers	Muck, silt	None or slow
6	Cylinder (Cylindrical Papershell)	<i>Anodontoides ferussacianus</i>	North-central	Small creeks	Sand, muck	
7	Rock Pocketbook	<i>Arcidens confragosus</i>	Miss. River	Medium to large rivers	Sand, muck	
8	Spectacle Case	<i>Cumberlandia monodonta</i>	Miss. River	Large rivers	Sand, muck	Fast
9	Purple Wartyback	<i>Cyclonaias tuberculata</i>	Southeast	Medium to large rivers	Gravel	
10	Butterfly	<i>Ellipsaria lineolata</i>	Miss. and Cedar Rivers	Large rivers	Sand, gravel	
11	Elephant Ear	<i>Elliptio crassidens</i>	Upper Cedar and Miss. Rivers	Large rivers	Mud, sand, gravel	
12	Spike	<i>Elliptio dilatata</i>	Northeast 3/4	Streams and lakes	Firm, sand, gravel	
13	Snuffbox	<i>Epioblasma triquetra</i>		Medium to large rivers	Gravel	
14	Ebonyshell	<i>Fusconaia ebena</i>	Miss. River	Large, deep rivers	Sand, gravel	
15	Wabash pigtoe	<i>Fusconaia flava</i>	Scattered statewide	Creeks to large rivers	Gravel, sand	
16	Higgins' Eye Pearlymussel	<i>Lampsilis higginsii</i>	Miss. River	Large rivers	Gravel, sand	
17	Fatmucket	<i>Lampsilis siliquoidea</i>	Miss. and Shell Rock Rivers	Small streams to large rivers, lakes, reservoirs		
18	Yellow Sandshell	<i>Lampsilis teres anodontoides</i>	Northeast 2/3	Medium to large rivers	Sand, gravel	
19	White Heelsplitter	<i>Lasmigona camplanata</i>		Medium to large rivers	Mud, mud-gravel	
20	Creek Heelsplitter	<i>Lasmigona compressa</i>	Northeast 2/3	Creeks, streams	Sand, gravel	
21	Fluted Shell	<i>Lasmigona costata</i>	Northeast 3/4	Medium to large rivers	Sand, gravel, muck	
22	Pondmussel	<i>Ligumia subrostrata</i>	DM and Iowa Rivers	Small creeks and ponds	Sand, muck	
23	Black Sandshell	<i>Ligumia recta</i>		Medium to large rivers	Gravel, firm sand	

	Common Name	Scientific Name	Distribution	Habitat Preference	Substrate	Flow
24	Washboard	<i>Megaloniaias nervosa</i>	Miss. River	Large rivers	Gravel, gravel-mud	Fast
25	Threehorn Wartyback	<i>Obliquaria reflexa</i>	Skunk, Iowa, DM River	Medium to large rivers	Gravel	
26	Hickorynut	<i>Obovaria olivaria</i>	Miss. River	Large rivers	Sand, gravel	
27	Bullhead (Sheepnose)	<i>Plethobasus cyphus</i>	Miss. and DM Rivers	Medium to large rivers	Sand, gravel	
28	Pyramid pigtoe	<i>Pleurobema rubrum</i>	Miss. River	Large rivers	Gravel-sand	
29	Round pigtoe	<i>Pleurobema sintoxia</i>	Northeast 3/4	Streams and rivers	Firm, sand, gravel	
30	Pink Heelsplitter	<i>Potamilus alatus</i>		Medium to large rivers		
31	Pink Papershell	<i>Potamilus ohioensis</i>		Medium to large rivers		
32	Monkeyface	<i>Quadrula metanevra</i>	Eastern 2/3	Medium to large rivers	Gravel	
33	Wartyback	<i>Quadrula nodulata</i>	Miss. River	Large rivers	Sand, gravel	
34	Pimpleback	<i>Quadrula pustulosa</i>		Small streams to large rivers		
35	Mapleleaf	<i>Quadrula quadrula</i>		Medium to large rivers	Gravel, sand	
36	Salamander mussel	<i>Simpsonaias ambigua</i>	Miss. River	Rivers	Mud	
37	Strange Floater (Creeper, Formerly Squawfoot)	<i>Strophitus undulatus</i>	Northeast 3/4	Small to medium streams	Sand, gravel, muck	
38	Pistolgrip	<i>Tritogonia verrucosa</i>	Miss., Iowa, and DM Rivers	Medium to large rivers	Sand, gravel, muck	
39	Fawnsfoot	<i>Truncilla donaciformis</i>	East	Medium to large rivers	Sand, gravel	
40	Deertoe	<i>Truncilla truncata</i>		Medium streams to large rivers	Mud, gravel, sand	
41	Pondhorn	<i>Unio merus tetralasmus</i>	South-central	Ponds, creeks, streams, rivers	Muck, sand	
42	Paper Pondshell	<i>Utterbackia imbecillis</i>	Northeast 3/4	Ponds, lakes, impoundments, rivers	Muck	Slow
43	Ellipse	<i>Venustaconcha ellipsiformis</i>	Eastern 2/3	Small to medium streams	Sand, gravel	

Table 18-11. Habitat preferences of SGCN – Terrestrial Snails

	Common Name	Scientific Name	Habitat	Distribution
1	Iowa Pleistocene Snail	<i>Discus macclintocki</i>	Forest	NE
2	Minnesota Pleistocene Succinea	<i>Novasuccinea n. Sp. Minnesota a</i>	Forest	NE
3	Iowa Pleistocene Succinea	<i>Novasuccinea n. Sp. Minnesota b</i>	Forest	NE
4	Hubricht's Vertigo	<i>Vertigo hubrichti</i>	Forest	NE
5	Bluff Vertigo	<i>Vertigo meramecensis</i>	Forest	NE