

Appendix K. Valleys and Hills Region SGCN Habitat and Subhabitat Tables

Table K-1. SGCN Occurring in Agricultural Systems in the Valleys and Hills Region.

Taxa	Group	Scientific Name	Common Name
Amphibians	Frogs	<i>Lithobates areolatus</i>	Crawfish Frog
		<i>Lithobates blairi</i>	Plains Leopard Frog
Birds	Waterfowl	<i>Cygnus buccinator</i>	Trumpeter Swan
	Quail & Grouse	<i>Colinus virginianus</i>	Northern Bobwhite
		<i>Grus canadensis</i>	Sandhill Crane
	Cranes	<i>Grus americana</i>	Whooping Crane
		Shorebirds	<i>Pluvialis dominica</i>
	<i>Bartramia longicauda</i>		Upland Sandpiper
	<i>Calidris subruficollis</i>		Buff-breasted Sandpiper
	Raptors	<i>Tringa solitaria</i>	Solitary Sandpiper
		<i>Circus cyaneus</i>	Northern Harrier
		<i>Tyto alba</i>	Barn Owl
<i>Asio flammeus</i>		Short-eared Owl	
Songbirds		<i>Lanius ludovicianus</i>	Loggerhead Shrike
	<i>Cistothorus platensis</i>	Sedge Wren	
	<i>Sturnella neglecta</i>	Western Meadowlark	
Mammals	Mustelids	<i>Mustela nivalis</i>	Least Weasel
		<i>Taxidea taxus</i>	American Badger
Reptiles	Turtles	<i>Terrapene carolina</i>	Eastern Box Turtle

Table K-2. SGCN Occurring in Aquatic Systems in the Valleys and Hills Region.

Taxa	Group	Scientific Name	Common Name	Big Rivers	Medium Rivers	Low Gradient	Moderate Gradient	High Gradient	Pools	Riffles	Springs/ Spring Brooks	Creeks	Shallow Water Lakes	Deep Water Lakes	Lake Michigan	Comments	
Amphibians	Aquatic Salamanders	<i>Necturus maculosus</i>	Common Mudpuppy	X	X							X	X	X		Requires silt-free areas for nesting.	
	Frogs	<i>Acris blanchardi</i>	Blanchard's Cricket Frog			X			X			X	X				
		<i>Lithobates areolatus</i>	Crawfish Frog										X				
		<i>Lithobates blairi</i>	Plains Leopard Frog		X	X	X		X		X	X	X				
Birds	Waterfowl	<i>Cygnus buccinator</i>	Trumpeter Swan										X			Can use impoundments.	
	Rails	<i>Rallus limicola</i>	Virginia Rail								X		X				
		<i>Gallinula galeata</i>	Common Gallinule										X				
	Cranes	<i>Grus canadensis</i>	Sandhill Crane			X	X						X				
		<i>Grus americana</i>	Whooping Crane										X				
	Shorebirds	<i>Charadrius melodus</i>	Piping Plover												X		
		<i>Arenaria interpres</i>	Ruddy Turnstone										X		X		
		<i>Limnodromus griseus</i>	Short-billed Dowitcher										X		X		
		<i>Tringa solitaria</i>	Solitary Sandpiper		X	X							X	X			
		<i>Tringa melanoleuca</i>	Greater Yellowlegs										X				
		<i>Phalaropus tricolor</i>	Wilson's Phalarope										X				
		Terns	<i>Sternula antillarum athalassos</i>	Interior Least Tern	X	X								X	X		Can use borrow pits.

Taxa	Group	Scientific Name	Common Name	Big Rivers	Medium Rivers	Low Gradient	Moderate Gradient	High Gradient	Pools	Riffles	Springs/ Spring Brooks	Creeks	Shallow Water Lakes	Deep Water Lakes	Lake Michigan	Comments
		<i>Chlidonias niger</i>	Black Tern	X	X	X							X	X		Can use impoundments.
	Hérons	<i>Botaurus lentiginosus</i>	American Bittern										X			Can use impoundments.
		<i>Ixobrychus exilis</i>	Least Bittern										X			
		<i>Ardea alba</i>	Great Egret	X	X	X	X		X	X	X	X	X		X	
		<i>Nycticorax nycticorax</i>	Black-crowned Night-heron			X	X		X				X		X	
		<i>Nyctanassa violacea</i>	Yellow-Crowned Night-heron										X			
	Raptors	<i>Pandion haliaetus</i>	Osprey	X	X		X	X					X	X	X	Can use impoundments and borrow pits.
		<i>Ictinia mississippiensis</i>	Mississippi Kite	X	X		X	X					X	X		
		<i>Haliaeetus leucocephalus</i>	Bald Eagle	X	X		X	X					X	X	X	Can use impoundments and borrow pits.
		<i>Falco peregrinus</i>	Peregrine Falcon												X	Can use impoundments.
	Songbirds	<i>Cistothorus palustris</i>	Marsh Wren										X			
Fish	Sturgeon	<i>Acipenser fulvescens</i>	Lake Sturgeon	X		X	X						X	X	X	
	Eels	<i>Anguilla rostrata</i>	American Eel	X	X	X	X	X				X	X	X		
	Catfish	<i>Noturus stigmosus</i>	Northern Madtom		X	X	X			X		X				

Taxa	Group	Scientific Name	Common Name	Big Rivers	Medium Rivers	Low Gradient	Moderate Gradient	High Gradient	Pools	Riffles	Springs/ Spring Brooks	Creeks	Shallow Water Lakes	Deep Water Lakes	Lake Michigan	Comments
	Sunfish	<i>Lepomis symmetricus</i>	Bantam Sunfish		X	X			X			X	X			
	Perches	<i>Percina copelandi</i>	Channel Darter		X	X	X		X	X		X	X			
		<i>Ammocrypta clara</i>	Western Sand Darter	X	X	X	X		X	X						
		<i>Etheostoma maculatum</i>	Spotted Darter		X		X	X	X	X		X				
	Pygmy Sunfish	<i>Elassoma zonatum</i>	Banded Pygmy Sunfish		X	X						X				
Mollusks	Mussels	<i>Cyprogenia stegaria</i>	Fanshell	X	X					X		X				
		<i>Obovaria subrotunda</i>	Round Hickorynut	X	X	X	X			X			X			
		<i>Plethobasus cyphus</i>	Sheepnose	X	X	X	X			X						
		<i>Pleurombema cordatum</i>	Ohio Pigtoe	X	X	X	X			X			X			
		<i>Potamilus capax</i>	Fat Pocketbook	X	X	X			X	X			X			
		<i>Ptychobranthus fasciolaris</i>	Kidneyshell	X	X		X	X		X		X	X	X		
		<i>Quadrula cylindrical cylindrical</i>	Rabbitsfoot	X	X		X			X		X				
		<i>Villosa lienosa</i>	Little Spectaclecase	X	X	X	X		X	X		X				
Reptiles	Turtles	<i>Macrochelys temminckii</i>	Alligator Snapping Turtle	X	X	X			X			X	X	X		
		<i>Kinosternon subrubrum</i>	Eastern Mud Turtle			X			X			X	X			
		<i>Pseudemys concinna</i>	River Cooter		X	X			X			X	X	X		
	Snakes	<i>Thamnophis proximus</i>	Western Ribbonsnake			X	X		X			X	X			

Taxa	Group	Scientific Name	Common Name	Big Rivers	Medium Rivers	Low Gradient	Moderate Gradient	High Gradient	Pools	Riffles	Springs/ Spring Brooks	Creeks	Shallow Water Lakes	Deep Water Lakes	Lake Michigan	Comments
		<i>Nerodia erythrogaster neglecta</i>	Copper-bellied Watersnake		X	X						X	X			
		<i>Farancia abacura</i>	Red-bellied Mudsucker			X			X		X	X	X			
		<i>Agkistrodon piscivorus</i>	Cottonmouth		X	X	X		X			X	X			

Table K-3. SGCN Occurring in Barren Lands in the Valleys and Hills Region.

Taxa	Group	Scientific Name	Common Name	Sand/ Dunes	Cliffs/Rock Outcrops	Bare Rock/ Talus	Comments
Amphibians	Frogs	<i>Acris blanchardi</i>	Blanchard's Cricket Frog			X	Can use quarries.
Birds	Shorebirds	<i>Pluvialis dominica</i>	American Golden-plover	X			
		<i>Charadrius melodus</i>	Piping Plover	X			
	Terns	<i>Sternula antillarum athalassos</i>	Interior Least Tern	X			
	Raptors	<i>Haliaeetus leucocephalus</i>	Bald Eagle		X		
		<i>Falco peregrinus</i>	Peregrine Falcon		X		
	Songbirds	<i>Setophaga kirtlandii</i>	Kirtland's Warbler	X			
Reptiles	Turtles	<i>Pseudemys concina</i>	River Cooter	X			

Table K-4. SGCN Occurring in Developed Lands in the Valleys and Hills Region.

Taxa	Group	Scientific Name	Common Name	Suburban Areas	Urban Areas
Amphibians	Frogs	<i>Lithobates areolatus</i>	Crawfish Frog	X	
Birds	Nightjars	<i>Chordeiles minor</i>	Common Nighthawk	X	X
	Raptors	<i>Accipiter striatus</i>	Sharp-shinned Hawk	X	
		<i>Falco peregrinus</i>	Peregrine Falcon		X
Mammals	Bats	<i>Myotis lucifugus</i>	Little Brown Myotis	X	
		<i>Myotis sodalis</i>	Indiana Myotis	X	
		<i>Lasiurus noctivagans</i>	Silver-haired Bat	X	
		<i>Perimyotis subflavus</i>	Tri-colored Bat	X	
		<i>Nycticeius humeralis</i>	Evening Bat	X	
		<i>Lasiurus borealis</i>	Eastern Red Bat	X	
		<i>Lasiurus cinereus</i>	Hoary Bat	X	
	Mustelids	<i>Mustela nivalis</i>	Least Weasel	X	
Reptiles	Snakes	<i>Clonophis kirtlandii</i>	Kirtland's Snake	X	X
		<i>Opheodrys aestivus</i>	Rough Greensnake	X	

Table K-5. SGCN Occurring in Forests in the Valleys and Hills Region.

Taxa	Group	Scientific Name	Common Name	Hardwood Forests	Conifer Forests	Mixed Forests	Hardwood Woodlands	Conifer Woodlands	Mixed Woodlands	
Amphibians	Salamanders	<i>Ambystoma talpoideum</i>	Mole Salamander	X	X	X	X	X	X	
	Frogs	<i>Lithobates areolatus</i>	Crawfish Frog					X		
Birds	Nightjars	<i>Antrostomus vociferus</i>	Eastern Whip-poor-will	X		X	X		X	
	Raptors	<i>Ictinia mississippiensis</i>	Mississippi Kite	X	X	X	X	X	X	
		<i>Haliaeetus leucocephalus</i>	Bald Eagle	X	X	X	X	X	X	
		<i>Accipiter striatus</i>	Sharp-shinned Hawk	X	X	X	X	X	X	
		<i>Buteo platypterus</i>	Broad-winged Hawk	X		X	X		X	
	Songbirds	<i>Helmitheros vermivorum</i>	Worm-eating Warbler	X			X			
		<i>Mniotilta varia</i>	Black-and-white Warbler	X		X	X		X	
		<i>Setophaga citrina</i>	Hooded Warbler	X			X			
		<i>Setophaga cerulea</i>	Cerulean Warbler	X		X	X		X	
	Mammals	Bats	<i>Myotis lucifugus</i>	Little Brown Myotis	X		X	X		X
		<i>Myotis septentrionalis</i>	Northern Long-eared Myotis	X	X	X	X	X	X	
		<i>Myotis sodalis</i>	Indiana Myotis	X		X	X		X	
		<i>Lasionycteris noctivagans</i>	Silver-haired Bat	X	X	X	X	X	X	
		<i>Perimyotis subflavus</i>	Tri-colored Bat	X		X	X		X	
		<i>Nycticeius humeralis</i>	Evening Bat	X		X	X		X	
		<i>Lasiurus borealis</i>	Eastern Red Bat	X		X	X		X	
		<i>Lasiurus cinereus</i>	Hoary Bat	X	X	X	X	X	X	
		Rabbits	<i>Sylvilagus aquaticus</i>	Swamp Rabbit	X		X	X		X
		Mustelids	<i>Mustela nivalis</i>	Least Weasel	X		X	X	X	X
Reptiles	Turtles	<i>Terrapene carolina</i>	Eastern Box Turtle	X	X	X	X	X	X	
	Snakes	<i>Thamnophis proximus</i>	Western Ribbonsnake				X			
		<i>Nerodia erythrogaster neglecta</i>	Copper-bellied Watersnake				X	X	X	
		<i>Opheodrys aestivus</i>	Rough Greensnake	X			X			

Table K-6. SGCN Occurring in Grasslands in the Valleys and Hills Region.

Taxa	Group	Scientific Name	Common Name	Savannas	Shrublands	Herbaceous Grasslands	Old Fields (Early Successional)	Comments
Amphibians	Frogs	<i>Acris blanchardi</i>	Blanchard's Cricket Frog	X		X		
		<i>Lithobates areolatus</i>	Crawfish Frog	X		X		
		<i>Lithobates blairi</i>	Plains Leopard Frog	X		X		
Birds	Quail & Grouse	<i>Colinus virginianus</i>	Northern Bobwhite	X	X	X	X	
	Nightjars	<i>Chordeiles minor</i>	Common Nighthawk			X	X	
	Cranes	<i>Grus canadensis</i>	Sandhill Crane			X		
		<i>Grus americana</i>	Whooping Crane			X		
	Herons	<i>Botaurus lentiginosus</i>	American Bittern			X		
		<i>Ardea alba</i>	Great Egret			X		
	Shorebirds	<i>Pluvialis dominica</i>	American Golden-plover			X		
		<i>Bartramia longicauda</i>	Upland Sandpiper			X	X	
		<i>Calidris subruficollis</i>	Buff-breasted Sandpiper			X		
	Raptors	<i>Ictinia mississippiensis</i>	Mississippi Kite	X	X	X		
		<i>Circus cyaneus</i>	Northern Harrier			X	X	
		<i>Accipiter striatus</i>	Sharp-shinned Hawk				X	
		<i>Tyto alba</i>	Barn Owl	X		X	X	
		<i>Asio flammeus</i>	Short-eared Owl	X	X	X	X	
Songbirds	<i>Lanius ludovicianus</i>	Loggerhead Shrike	X	X	X	X		
	<i>Cistothorus platensis</i>	Sedge Wren			X	X		
	<i>Ammodramus henslowii</i>	Henslow's Sparrow			X	X	Can use Farm Bill Program lands.	
	<i>Sturnella neglecta</i>	Western Meadowlark			X	X		

Taxa	Group	Scientific Name	Common Name	Savannas	Shrublands	Herbaceous Grasslands	Old Fields (Early Successional)	Comments
		<i>Vermivora chrysoptera</i>	Golden-winged Warbler	X	X		X	
Mammals	Bats	<i>Myotis lucifugus</i>	Little Brown Myotis	X				Can use recovering mine lands.
		<i>Myotis septentrionalis</i>	Northern Long-eared Myotis	X				
		<i>Myotis sodalis</i>	Indiana Myotis	X				Can use recovering mine lands.
	Mustelids	<i>Mustela nivalis</i>	Least Weasel		X	X	X	Can use hay lands and recovering mine lands.
		<i>Taxidea taxus</i>	American Badger	X	X	X		Can use recovering mine lands and dunes.
Reptiles	Turtles	<i>Terrapene carolina</i>	Eastern Box Turtle			X		
	Snakes	<i>Thamnophis proximus</i>	Western Ribbonsnake	X		X		Can use recovering mine lands.
		<i>Nerodia erythrogaster neglecta</i>	Copper-bellied Watersnake			X		Can use recovering mine lands.
		<i>Clonophis kirtlandii</i>	Kirtland's Snake	X		X	X	
		<i>Opheodrys aestivus</i>	Rough Greensnake		X	X	X	Can use recovering mine lands.
		<i>Agkistrodon piscivorus</i>	Cottonmouth	X				

Table K-7. SGCN Occurring in Wetlands in the Valleys and Hills Region.

Taxa	Group	Scientific Name	Common Name	Bogs/Fens	Herbaceous Wetlands	Forested Wetlands	Shrub Wetlands	Ephemeral/Temporary Wetlands	Mudflats	Riparian Zones
Amphibians	Salamanders	<i>Ambystoma talpoideum</i>	Mole Salamander			X	X	X		X
	Frogs	<i>Acris blanchardi</i>	Blanchard's Cricket Frog	X	X		X	X		X
		<i>Lithobates areolatus</i>	Crawfish Frog		X			X		X
		<i>Lithobates blairi</i>	Plains Leopard Frog		X		X	X		X
Birds	Waterfowl	<i>Cygnus buccinator</i>	Trumpeter Swan		X			X		X
	Rails	<i>Laterallus jamaicensis</i>	Black Rail		X					
		<i>Rallus elegans</i>	King Rail		X		X			
		<i>Rallus limicola</i>	Virginia Rail	X	X					X
		<i>Gallinula galeata</i>	Common Gallinule		X					
	Cranes	<i>Grus canadensis</i>	Sandhill Crane	X	X					X
		<i>Grus americana</i>	Whooping Crane	X	X			X		
	Shorebirds	<i>Pluvialis dominica</i>	American Golden-plover		X			X	X	X
		<i>Charadrius melodus</i>	Piping Plover		X				X	X
		<i>Arenaria interpres</i>	Ruddy Turnstone		X				X	X
		<i>Calidris subruficollis</i>	Buff-breasted Sandpiper					X	X	X
		<i>Limnodromus griseus</i>	Short-billed Dowitcher		X			X	X	X
		<i>Scolopax minor</i>	American Woodcock	X	X	X	X	X		X
		<i>Tringa solitaria</i>	Solitary Sandpiper	X	X	X		X	X	X
		<i>Tringa melanoleuca</i>	Greater Yellowlegs		X			X	X	X
		<i>Phalaropus tricolor</i>	Wilson's Phalarope		X			X	X	X
	Terns	<i>Sternula antillarum athalassos</i>	Interior Least Tern		X					X
		<i>Chlidonias niger</i>	Black Tern		X					X
	Herons	<i>Botaurus lentiginosus</i>	American Bittern		X		X	X		X
		<i>Ixobrychus exilis</i>	Least Bittern	X	X		X			X
	<i>Ardea alba</i>	Great Egret		X	X	X	X		X	

Taxa	Group	Scientific Name	Common Name	Bogs/Fens	Herbaceous Wetlands	Forested Wetlands	Shrub Wetlands	Ephemeral/ Temporary Wetlands	Mudflats	Riparian Zones
		<i>Nycticorax nycticorax</i>	Black-crowned Night-heron		X	X	X	X		X
		<i>Nyctanassa violacea</i>	Yellow-crowned Night-heron		X	X				X
	Raptors	<i>Pandion haliaetus</i>	Osprey		X	X				X
		<i>Ictinia mississippiensis</i>	Mississippi Kite			X				X
		<i>Haliaeetus leucocephalus</i>	Bald Eagle		X	X				X
		<i>Circus cyaneus</i>	Northern Harrier	X	X					
		<i>Accipiter striatus</i>	Sharp-shinned Hawk							X
		<i>Buteo platypterus</i>	Broad-winged Hawk			X				X
		<i>Tyto alba</i>	Barn Owl		X					X
		<i>Asio flammeus</i>	Short-eared Owl	X	X					
		<i>Falco peregrinus</i>	Peregrine Falcon		X					X
	Songbirds	<i>Cistothorus platensis</i>	Sedge Wren	X	X					X
		<i>Cistothorus palustris</i>	Marsh Wren		X					
		<i>Xanthocephalus xanthocephalus</i>	Yellow-headed Blackbird		X					
		<i>Vermivora chrysoptera</i>	Golden-winged Warbler	X		X				X
		<i>Mniotilta varia</i>	Black-and-white Warbler			X				X
		<i>Setophaga cerulea</i>	Cerulean Warbler			X				X
Fish	Sunfish	<i>Lepomis symmetricus</i>	Bantam Sunfish			X				
	Pygmy Sunfish	<i>Elassoma zonatum</i>	Banded Pygmy Sunfish			X				
Mammals	Bats	<i>Myotis lucifugus</i>	Little Brown Myotis			X				X
		<i>Myotis grisescens</i>	Gray Myotis							X
		<i>Myotis septentrionalis</i>	Northern Long-eared Myotis			X				X
		<i>Myotis sodalis</i>	Indiana Myotis			X				X
		<i>Lasiurus noctivagans</i>	Silver-haired Bat							X
		<i>Perimyotis subflavus</i>	Tri-colored Bat							X
		<i>Nycticeius humeralis</i>	Evening Bat							X
		<i>Lasiurus borealis</i>	Eastern Red Bat							X
		<i>Lasiurus cinereus</i>	Hoary Bat							X

Taxa	Group	Scientific Name	Common Name	Bogs/Fens	Herbaceous Wetlands	Forested Wetlands	Shrub Wetlands	Ephemeral/ Temporary Wetlands	Mudflats	Riparian Zones
	Rabbits	<i>Sylvilagus aquaticus</i>	Swamp Rabbit			X	X			X
	Mustelids	<i>Mustela nivalis</i>	Least Weasel		X					X
Reptiles	Turtles	<i>Macrochelys temminckii</i>	Alligator Snapping Turtle			X				X
		<i>Kinosternon subrubrum</i>	Eastern Mud Turtle		X	X		X		X
		<i>Pseudemys concinna</i>	River Cooter			X				X
	Snakes	<i>Thamnophis proximus</i>	Western Ribbonsnake		X	X	X	X		X
		<i>Nerodia erythrogaster neglecta</i>	Copper-bellied Watersnake	X	X	X		X		X
		<i>Clonophis kirtlandii</i>	Kirtland's Snake	X	X		X	X		X
		<i>Opheodrys aestivus</i>	Rough Greensnake			X	X			X
		<i>Farancia abacura</i>	Red-bellied Mudsake	X	X	X	X			X
		<i>Agkistrodon piscivorus</i>	Cottonmouth		X	X	X			X