

Appendix B: Species List

Amphibians

* E=Endangered ; T=Threatened; SAB=Submersed Aquatic Bed; FLAB=Floating Leaved Aquatic Bed; SPE=Semi-Permanently Flooded Emergents; SFE=Seasonally Flooded Emergents; | Potential Species Occurrence: 0 = none; 1 = low; 2=moderate; 3=high

Amphibians

Common Name

Salamanders (Cont.)

		Species (Scientific Name)										
Newt, Central		<i>Notophthalmus viridescens</i>	T	1	3	3	1	1	1	0	0	0
Salamander, Blue-spotted		<i>Ambystoma laterale</i>	E	0	1	1	1	1	3	0	0	0
Salamander, Cave		<i>Eurycea lucifuga</i>		0	0	0	0	0	1	3	0	0
Salamander, Eastern Tiger		<i>Ambystoma tigrinum</i>		0	1	1	1	1	3	0	0	0
Salamander, Four-toed		<i>Hemidactylum scutatum</i>		0	0	0	0	0	1	3	0	0
Salamander, Jefferson		<i>Ambystoma jeffersonianum</i>	T	0	1	1	1	1	3	1	0	0
Salamander, Longtail		<i>Eurycea longicauda</i>		0	0	0	0	1	3	0	0	0
Salamander, Marbled		<i>Ambystoma opacum</i>		0	1	1	1	3	1	0	0	0
Salamander, Mole		<i>Ambystoma talpoideum</i>		0	1	1	1	1	3	1	0	0
Salamander, Ringed		<i>Ambystoma annulatum</i>		0	1	1	1	1	3	1	0	0
Salamander, Slimy		<i>Plethodon glutinosus</i>		0	0	0	0	1	3	0	0	0
Salamander, Smallmouth		<i>Ambystoma texanum</i>		0	1	1	1	1	3	1	0	0
Salamander, Spotted		<i>Ambystoma maculatum</i>		0	1	1	1	1	3	1	0	0
<i>Siren</i>		<i>Siren intermedia</i>		2	1	3	3	3	3	0	0	0
Siren, Lesser												

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Birds	Common Name	Species (Scientific Name)	Abundance	Federally (T or E)	Iowa (T or E)	Illinoiis (T or E)	Missouri (T or E)	Open Water	SAB*	FLAB*	SE* Annual	SE* Perennial	SFE* Annual	SFE* Perennial	Wet Meadow	Grazeland	Scrub/Shrub	Salix Community	Populus Community	Mesic Forest	Agriculture	Developed	Sand/Mud
	Cranes		R	T	0	0	0	3	3	3	3	3	3	3	3	2	0	0	0	0	3	0	0
	Crane, Sandhill	<i>Grus canadensis</i>																					
	Creepers																						
	Creepper, Brown	<i>Certhia americana</i>	U	T	0	0	0	0	0	0	0	0	0	0	0	0	2	3	1	0	0		
	Crows and Jays																						
	Crow, American	<i>Corvus brachyrhynchos</i>	A		0	0	0	0	1	1	1	1	2	2	3	3	3	3	3	3	0		
	Crow, Fish	<i>Corvus ossifragus</i>	O		0	0	0	0	0	0	0	0	1	0	3	3	2	2	0	3	1		
	Jay, Blue	<i>Cyanocitta cristata</i>	A		0	0	0	0	0	0	0	0	0	2	3	3	3	3	2	3	0		
	Cuckoos																						
	Cuckoo, Black-billed	<i>Coccyzus erythrophthalmus</i>	O		0	0	0	0	0	0	0	0	1	2	2	3	2	2	0	0	0		
	Cuckoo, Yellow-billed	<i>Coccyzus americanus</i>	C		0	0	0	0	0	0	0	0	1	2	3	3	2	2	0	0	0		
	Doves																						
	Dove, Mourning	<i>Zenaidura macroura</i>	C		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	3	3	0
	Dove, Rock	<i>Columba livia</i>	O		0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	2	3	0
	Ducks, Geese and Swans																						
	Bufflehead	<i>Bucephala albeola</i>	U		3	3	3	2	2	2	1	0	2	2	2	2	0	0	0	1			
	Canvasback	<i>Aythya valisineria</i>	C		2	3	2	3	2	3	1	0	0	0	0	0	0	0	0	0	0	0	
	Duck, American Black	<i>Anas rubripes</i>	U		3	3	3	3	3	3	3	0	2	1	0	0	0	0	0	0	0	0	
	Duck, Ring-necked	<i>Aythya collaris</i>	A		3	3	3	3	3	3	3	1	0	1	1	0	0	0	0	0	0	0	
	Duck, Ruddy	<i>Oxyura jamaicensis</i>	C		3	3	3	3	3	3	3	2	0	0	0	0	0	0	0	0	0	0	
	Duck, Wood	<i>Aix sponsa</i>	A		1	2	3	3	3	3	3	0	3	2	1	3	2	0	1	1	0	0	
	Gadwall	<i>Anas strepera</i>	C		3	3	3	3	3	3	3	1	3	1	0	0	0	0	0	0	0	1	
	Goldeneye, Common	<i>Bucephala clangula</i>	A		3	3	3	2	2	2	0	1	1	1	0	0	0	0	0	0	0	0	
	Goose, Canada	<i>Branta canadensis</i>	A		1	2	2	3	3	3	1	0	1	0	0	0	0	0	0	3	2		
	Goose, Greater White-fronted	<i>Anser albifrons</i>	U		3	3	3	3	3	3	1	0	1	0	0	0	0	0	0	2	2	1	
	Goose, Ross's	<i>Chen rossii</i>	R		3	3	3	3	3	3	1	1	3	2	0	0	0	1	0	1	0	1	
	Goose, Snow	<i>Chen caerulescens</i>	C		3	3	3	3	3	3	1	0	1	0	0	0	0	2	2	1	0	0	

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Birds	Common Name	Species (Scientific Name)
	Emberizid Finches, Sparrows and Allies (Cont.)	
Sparrow, Henslow's	<i>Ammodramus henslowii</i>	X T E
Sparrow, Lark	<i>Chondestes grammacus</i>	O O O O
Sparrow, Le Conte's	<i>Ammodramus leconteii</i>	X O O O
Sparrow, Lincoln's	<i>Melospiza lincolni</i>	O O O O
Sparrow, Savannah	<i>Passerculus sandwichensis</i>	U O O O
Sparrow, Song	<i>Melospiza melodia</i>	O O O O
Sparrow, Swamp	<i>Melospiza georgiana</i>	U U U U
Sparrow, Vesper	<i>Pooecetes gramineus</i>	O O O O
Sparrow, White-crowned	<i>Zonotrichia leucophrys</i>	U U U U
Sparrow, White-throated	<i>Zonotrichia albicollis</i>	A A A A
Towhee, Eastern	<i>Pipilo erythrorthalmus</i>	U U U U
	Falcons	
	<i>Falco peregrinus</i>	R E E E
	<i>Falco sparverius</i>	C C C C
	<i>Falco columbarius</i>	R R R R
	Finches	
Crossbill, Red	<i>Loxia curvirostra</i>	X X X X
Crossbill, White-winged	<i>Loxia leucoptera</i>	X X X X
Finch, House	<i>Carpodacus mexicanus</i>	C C C C
Finch, Purple	<i>Carpodacus purpureus</i>	U U U U
Goldfinch, American	<i>Carduelis tristis</i>	C C C C
Grosbeak, Evening	<i>Coccothraustes vespertinus</i>	R R R R
Redpoll, Common	<i>Carduelis flammea</i>	X X X X
Siskin, Pine	<i>Carduelis pinus</i>	O O O O
	Gnatcatchers	
Gnatcatcher, Blue-gray	<i>Pioptila caerulea</i>	U U U U

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Birds

Common Name	Species (Scientific Name)
Grebes	
Grebe, Eared	<i>Podiceps nigricollis</i>
Grebe, Horned	<i>Podiceps auritus</i>
Grebe, Pied-billed	<i>Podilymbus podiceps</i>
Grebe, Western	<i>Aechmophorus occidentalis</i>
Gulls and Terns	
Gull, Bonaparte's	<i>Larus philadelphicus</i>
Gull, Franklin's	<i>Larus pipixcan</i>
Gull, Glaucous	<i>Larus hyperboreus</i>
Gull, Herring	<i>Larus argentatus</i>
Gull, Ring-billed	<i>Larus delawarensis</i>
Gull, Thayer's	<i>Larus thayeri</i>
Tern, Black	<i>Chlidonias niger</i>
Tern, Caspian	<i>Sterna caspia</i>
Tern, Common	<i>Sterna hirundo</i>
Tern, Forster's	<i>Sterna forsteri</i>
Tern, Least	<i>Sterna antillarum</i>
Hawks, Kites and Eagles	
Eagle, Bald	<i>Haliaeetus leucocephalus</i>
Eagle, Golden	<i>Aquila chrysaetos</i>
Goshawk, Northern	<i>Accipiter gentilis</i>
Harrier, Northern	<i>Circus cyaneus</i>
Hawk, Broad-winged	<i>Buteo platypterus</i>
Hawk, Cooper's	<i>Accipiter cooperii</i>
Hawk, Red-shouldered	<i>Buteo lineatus</i>
Hawk, Red-tailed	<i>Buteo Jamaicensis</i>
Hawk, Rough-legged	<i>Buteo lagopus</i>

Wet Forest	Populus Community	Salix Community	Scrub/Shrub	Grassland	Wet Meadow	SFE* Perennial	SFE* Annual	SPE* Annual	SPE* Perennial	Open Water	Missouri (T or E)	Iowa (T or E)	Federally (T or E)	Aundanace
Wetland	Wetland	Wetland	Wetland	Wetland	Wetland	Wetland	Wetland	Wetland	Wetland	Wetland	Wetland	Wetland	Wetland	Wetland
Agiculture	Agiculture	Agiculture	Agiculture	Agiculture	Agiculture	Agiculture	Agiculture	Agiculture	Agiculture	Agiculture	Agiculture	Agiculture	Agiculture	Agiculture
Developed	Developed	Developed	Developed	Developed	Developed	Developed	Developed	Developed	Developed	Developed	Developed	Developed	Developed	Developed
Sand/Mud	Sand/Mud	Sand/Mud	Sand/Mud	Sand/Mud	Sand/Mud	Sand/Mud	Sand/Mud	Sand/Mud	Sand/Mud	Sand/Mud	Sand/Mud	Sand/Mud	Sand/Mud	Sand/Mud

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Birds	Species (Scientific Name)										
Common Name											
Hawks, Kites and Eagles (Cont.)											
Hawk, Sharp-shined	Accipiter striatus	U		0	0	0	0	0	0	2	3
Hawk, Swainson's	Buteo swainsoni	X	E	0	0	0	0	0	0	2	3
Kite, Mississippi	Ictinia mississippiensis	O	E	0	0	0	0	0	1	1	1
Osprey	Pandion haliaetus	U	E	3	1	0	0	0	3	1	1
<i>Heros, Egrets, and Bitterns</i>											
Bittern, American	Botaurus lentiginosus	U	E	0	0	0	2	3	2	1	1
Bittern, Least	Ixobrychus exilis	O	T	0	0	0	3	2	3	2	0
Egret, Cattle	Bubulcus ibis	O		0	2	2	2	2	3	3	2
Egret, Great	Casmerodius albus	C		0	2	1	3	3	3	2	1
Egret, Snowy	Egretta thula	R	E	0	2	1	3	3	3	2	1
Heron, Black-crowned Night-Heron	Nycticorax nycticorax	U	E	0	0	2	2	2	1	0	3
Heron, Great Blue	Ardea herodias	C		0	2	2	3	1	1	0	0
Heron, Green	Butorides striatus	C		0	0	2	2	2	1	0	0
Heron, Little Blue	Egretta caerulea	R	E	0	2	1	3	3	2	0	3
Heron, Yellow-crowned Night-Heron	Nycticorax violaceus	O	E	0	0	0	2	2	1	0	3
Hummingbird, Ruby-throated	Archilochus colubris	C		0	0	0	0	0	0	2	3
<i>Ibis</i>											
Ibis, Glossy	Plegadis falcinellus	R		0	3	3	3	3	3	2	0
Ibis, White-faced	Plegadis chihi	R		0	3	3	3	3	3	2	0
<i>Kingfishers</i>											
Kingfisher, Belted	Ceryle alcyon	U		3	3	3	3	3	3	2	1
<i>Kinglets</i>											
Kinglet, Golden-crowned	Regulus satrapa	C		0	0	0	0	0	0	2	3
Kinglet, Ruby-crowned	Regulus calendula	C		0	0	0	0	0	0	0	0
Sand/Mud Developed Agriculture Wet Forest Populus Community Salix Community Scrub/Shrub Grassland Wet Meadow SFE* Perennial SFE* Annual SPE* Annual SPE* Perennial SPE* Annual SAB* FLAB* Missouri (T or E) Illinois (T or E) Iowa (T or E) Federal (T or E) Abundance Open Water Missouri (T or E) Illinois (T or E) Iowa (T or E) SAB* FLAB*											

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	Larks																							
	Lark, Horned	<i>Eremophila alpestris</i>	C																					
	Loons																							
	Loon, Common	<i>Gavia immer</i>	O																					
	Mockingbirds and Thrashers																							
	Catbird, Gray	<i>Dumetella carolinensis</i>	C																					
	Mockingbird, Northern	<i>Mimus polyglottos</i>	O																					
	Thrasher, Brown	<i>Toxostoma rufum</i>	C																					
	Nightjars																							
	Chuck-will's-widow	<i>Caprimulgus carolinensis</i>	O																					
	Nighthawk, Common	<i>Chordeiles minor</i>	C																					
	Whip-poor-will	<i>Caprimulgus vociferus</i>	U																					
	Nuthatches																							
	Nuthatch, Red-breasted	<i>Sitta canadensis</i>	U																					
	Nuthatch, White-breasted	<i>Sitta carolinensis</i>	C																					
	Owls																							
	Owl, Barn	<i>Tyto alba</i>	X																					
	Owl, Barred	<i>Strix varia</i>	C																					
	Owl, Eastern Screech-		U																					
	Owl, Great Horned	<i>Bubo virginianus</i>	C																					
	Owl, Long-eared	<i>Asio otus</i>	R																					
	Owl, Short-eared	<i>Asio flammeus</i>	O																					
	Owl, Snowy	<i>Nyctea scandiaca</i>	X																					
	Old World Sparrows																							
	Sparrow, Eurasian Tree	<i>Passer montanus</i>	U																					
	Sparrow, House	<i>Passer domesticus</i>	A																					

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	<i>Pelicans</i>																						
	Pelican, American White	<i>Pelecanus erythrorhynchos</i>	C		3	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	<i>Pheasants, Grouse, and Quail</i>																						
	Bobwhite, Northern	<i>Clinus virginianus</i>	U		0	0	0	0	0	0	0	3	0	1	2	1	1	3	0	0			
	Pheasant, Ring-necked	<i>Phasianus colchicus</i>	C		0	0	0	0	0	0	0	1	3	0	1	2	2	2	3	0	0		
	Turkey, Wild	<i>Meleagris gallopavo</i>	U		0	0	0	0	0	0	0	1	0	1	3	3	3	3	2	0	0		
	<i>Pipits</i>																						
	Pipit, American	<i>Anthus rubescens</i>	R		0	0	0	0	0	0	2	3	0	0	0	0	0	3	0	3	0	0	3
	<i>Plovers</i>																						
	Killdeer	<i>Charadrius vociferus</i>	C		0	0	0	0	0	0	0	0	3	1	0	0	0	0	3	2	2		
	Plover, American Golden-Plover, Black-bellied	<i>Pluvialis dominica</i>	O		0	0	0	0	0	0	0	3	3	1	0	0	0	0	0	0	0	0	1
	Plover, Piping	<i>Pluvialis squatarola</i>	O		0	0	0	0	0	0	0	3	0	1	0	0	0	0	0	0	0	0	3
	Plover, Semipalmated	<i>Charadrius melanotos</i>	R	T	E	E	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	3
	<i>Rails and Coots</i>																						
	Coot, American	<i>Gharadrius semipalmatus</i>	U		0	0	0	0	0	0	0	3	3	1	0	0	0	0	0	0	0	0	3
	Moorhen, Common	<i>Fulica americana</i>	A		3	3	3	3	3	3	1	0	0	0	0	0	0	0	0	0	0	0	1
	Rail, King	<i>Gallinula chloropus</i>	R		3	3	3	3	3	3	2	0	1	1	0	0	0	0	0	0	0	0	1
	Rail, Virginia	<i>Rallus elegans</i>	U		E	E	E	0	1	3	3	2	1	0	3	0	0	0	0	0	0	0	0
	Rail, Yellow	<i>Rallus limicola</i>	O		0	0	1	3	3	3	2	0	0	0	0	0	0	0	0	0	0	0	0
	Sora	<i>Colurnicops noveboracensis</i>	X		0	0	1	3	3	3	2	0	0	0	0	0	0	0	0	0	0	0	0
	<i>Sandpipers and Allies</i>																						
	Dowitcher, Long-billed	<i>Limnodromus scolopaceus</i>	U		0	0	0	0	2	2	3	2	2	1	0	0	0	0	0	0	0	0	3
	Dowitcher, Short-billed	<i>Limnodromus griseus</i>	U		0	0	0	0	0	2	2	1	0	1	1	0	0	0	0	0	0	0	3
	Dunlin	<i>Calidris alpina</i>	R		0	0	0	0	2	2	2	1	0	0	0	0	1	0	3	0	0	0	3
	Godwit, Marbled	<i>Limosa fedoa</i>	X		0	0	2	2	2	3	3	2	0	0	0	0	0	3	0	3	0	0	3

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Birds

Common Name	Species (Scientific Name)
Sandpipers and Allies (Cont.)	
Knot, Red	<i>Calidris canutus</i>
Phalarope, Red-necked	<i>Phalaropus lobatus</i>
Phalarope, Wilson's	<i>Phalaropus tricolor</i>
Sanderling	<i>Calidris alba</i>
Sandpiper, Baird's	<i>Calidris bairdii</i>
Sandpiper, Buff-breasted	<i>Tryngites subruficollis</i>
Sandpiper, Least	<i>Calidris minutilla</i>
Sandpiper, Pectoral	<i>Calidris melanotos</i>
Sandpiper, Semipalmated	<i>Calidris pusilla</i>
Sandpiper, Solitary	<i>Tringa solitaria</i>
Sandpiper, Spotted	<i>Actitis macularia</i>
Sandpiper, Stilt	<i>Calidris himantopus</i>
Sandpiper, Upland	<i>Bartramia longicauda</i>
Sandpiper, Western	<i>Calidris mauri</i>
Sandpiper, White-rumped	<i>Calidris fuscicollis</i>
Snipe, Common	<i>Gallinago gallinago</i>
Willet	<i>Catoptrophorus semipalatus</i>
Woodcock, American	<i>Scopolax minor</i>
Yellowlegs, Greater	<i>Tinga melanoleuca</i>
Yellowlegs, Lesser	<i>Tinga flavipes</i>
Shrikes	
Shrike, Loggerhead	<i>Lanius ludovicianus</i>
Starlings	
Starling, European	<i>Strunus vulgaris</i>
Swallows	
Martin, Purple	<i>Progne subis</i>

Abundance	Missouri (T or E)	Illinois (T or E)	Iowa (T or E)	Federally (T or E)	Open Water	SAB*	FLAB*	SE*	Annual	Perennial	SFE*	Annual	Wet Meadow	Grassland	Scrub/Shrub	Salix Community	Populus Community	Wet Forest	Mesic Forest	Agriculture	Developed	Sand/Mud
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Birds

Common Name	Species (Scientific Name)
Swallows (Cont.)	
Swallow, Bank	<i>Riparia riparia</i>
Swallow, Barn	<i>Hirundo rustica</i>
Swallow, Cliff	<i>Hirundo pyrrhonota</i>
Swallow, Northern Rough-winged	<i>Stelgidopteryx serripennis</i>
Swallow, Tree	<i>Tachycineta bicolor</i>
Swifts	
Swift, Chimney	<i>Chaetura vauxi</i>
Tanagers	
Tanager, Scarlet	<i>Piranga olivacea</i>
Tanager, Summer	<i>Piranga rubra</i>
Thrushes and Allies	
Bluebird, Eastern	<i>Sialia sialis</i>
Robin, American	<i>Turdus migratorius</i>
Thrushes and Allies	
Thrush, Gray-cheeked	<i>Catharus minimus</i>
Thrush, Hermit	<i>Catharus guttatus</i>
Thrush, Swainson's	<i>Catharus ustulatus</i>
Thrush, Wood	<i>Hylocichla mustelina</i>
Veery	<i>Catharus fuscescens</i>
Tyrant Flycatchers	
Flycatcher, Acadian	<i>Empidonax virescens</i>
Flycatcher, Alder	<i>Empidonax alnorum</i>
Flycatcher, Great Crested	<i>Myiarchus crinitus</i>
Flycatcher, Least	<i>Empidonax minimus</i>
Flycatcher, Olive-sided	<i>Contopus borealis</i>

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Birds	Common Name	Species (Scientific Name)	Abundance	Federally (T or E)	Iowa (T or E)	Illinois (T or E)	Missouri (T or E)	Open Water	SAB*	FLAB*	SP-E* Annual	SP-E* Perennial	SFE* Annual	SFE* Perennial	Wet Meadow	Grassland	Scrub/Shrub	Salix Community	Populus Community	Wet Forest	Agriculture	Developed	Sand/Mud	
Tyrant Flycatchers (Cont.)																								
	Flycatcher, Willow	<i>Empidonax traillii</i>	O						0	0	0	0	0	0	0	0	3	3	2	1	1	0	0	0
	Flycatcher, Yellow-bellied	<i>Empidonax flaviventris</i>	U						0	0	0	0	0	0	0	0	3	3	2	3	2	0	0	0
	Kingbird, Eastern	<i>Tyrannus tyrannus</i>	U						0	0	0	0	0	0	0	0	2	3	3	3	2	2	3	1
	Pewee, Eastern Wood-	<i>Contopus virens</i>	C						0	0	0	0	0	0	0	0	1	2	3	3	3	0	0	0
	Phoebe, Eastern	<i>Sayornis phoebe</i>	U						0	0	0	0	0	0	0	0	3	3	3	3	3	2	2	0
Vireos																								
	Vireo, Bell's	<i>Vireo bellii</i>	O						0	0	0	0	0	0	0	0	1	1	2	2	1	1	0	0
	Vireo, Blue-headed	<i>Vireo solitarius</i>	U						0	0	0	0	0	0	0	0	0	1	1	3	3	1	1	0
	Vireo, Philadelphia	<i>Vireo philadelphicus</i>	O						0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
	Vireo, Red-eyed	<i>Vireo olivaceus</i>	C						0	0	0	0	0	0	0	0	0	0	1	1	3	0	0	0
	Vireo, Warbling	<i>Vireo gilvus</i>	C						0	0	0	0	0	0	0	0	0	1	2	2	3	3	1	0
	Vireo, White-eyed	<i>Vireo griseus</i>	O						0	0	0	0	0	0	0	0	1	1	3	3	2	2	1	0
	Vireo, Yellow-throated	<i>Vireo flavifrons</i>	C						0	0	0	0	0	0	0	0	0	1	1	1	3	3	1	0
Vultures																								
	Vulture, Turkey	<i>Cathartes aura</i>	C						0	0	0	0	0	0	0	0	2	0	0	2	3	3	1	0
Waxwings																								
	Waxwing, Cedar	<i>Bonbycilla cedrorum</i>	C						0	0	0	0	0	0	0	0	0	0	0	2	3	3	1	3
Wood Warblers																								
	Chat, Yellow-breasted	<i>Icteria virens</i>	R						0	0	0	0	0	0	0	0	2	0	3	3	2	0	0	0
	Ovenbird	<i>Seiurus aurocapillus</i>	U						0	0	0	0	0	0	0	0	0	0	1	2	3	0	0	0
	Parula, Northern	<i>Parula americana</i>	O						0	0	0	0	0	0	0	0	0	1	2	3	3	0	0	0
	Redstart, American	<i>Setophaga ruticilla</i>	C						0	0	0	0	0	0	0	0	0	2	2	2	3	3	0	0
	Warbler, Bay-breasted	<i>Dendroica castanea</i>	U						0	0	0	0	0	0	0	0	0	0	0	0	1	3	0	0
	Warbler, Black-and-white	<i>Mniotilla varia</i>	C						0	0	0	0	0	0	0	0	0	0	0	1	2	3	0	0
	Warbler, Blackburnian	<i>Dendroica fusca</i>	O						0	0	0	0	0	0	0	0	0	0	0	2	3	0	0	0
	Warbler, Blackpoll	<i>Dendroica striata</i>	U						0	0	0	0	0	0	0	0	0	0	0	1	3	0	0	0

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Birds	Common Name	Species (Scientific Name)
	Wood Warblers (Cont.)	
Warbler, Black-throated Blue	<i>Dendroica caerulea</i>	R
Warbler, Black-throated Green	<i>Dendroica virens</i>	U
Warbler, Blue-winged	<i>Vermivora plus</i>	O
Warbler, Canada	<i>Wilsonia canadensis</i>	O
Warbler, Cape May	<i>Dendroica tigrina</i>	O
Warbler, Cerulean	<i>Dendroica cerulea</i>	O
Warbler, Chestnut-sided	<i>Dendroica pensylvanica</i>	U
Warbler, Connecticut	<i>Oporornis agilis</i>	R
Warbler, Golden-winged	<i>Vermivora chrysoptera</i>	O
Warbler, Hooded	<i>Wilsonia citrina</i>	R
Warbler, Kentucky	<i>Oporornis formosus</i>	O
Warbler, Magnolia	<i>Dendroica magnolia</i>	U
Warbler, Mourning	<i>Oporornis philadelphica</i>	O
Warbler, Nashville	<i>Vermivora ruficapilla</i>	C
Warbler, Orange-crowned	<i>Vermivora celata</i>	O
Warbler, Palm	<i>Dendroica palmarum</i>	C
Warbler, Pine	<i>Dendroica pinus</i>	R
Warbler, Prothonotary	<i>Protonotaria citrea</i>	C
Warbler, Tennessee	<i>Vermivora peregrina</i>	C
Warbler, Wilson's	<i>Wilsonia pusilla</i>	O
Warbler, Worm-eating	<i>Helminthorus vermivorous</i>	R
Warbler, Yellow	<i>Dendroica petechia</i>	U
Warbler, Yellow-rumped	<i>Dendroica coronata</i>	A
Warbler, Yellow-throated	<i>Dendroica dominica</i>	O
Waterthrush, Louisiana	<i>Seiurus motacilla</i>	O
Waterthrush, Northern	<i>Seiurus noveboracensis</i>	C
Yellowthroat, Common	<i>Geothlypis trichas</i>	C
	Wetland Community	
	Mesic Forest	
	Agiculture	
	Developed	
	Sand/Mud	

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Birds	Common Name	Species (Scientific Name)	Abundance	Federally (T or E)	Iowa (T or E)	Illinois (T or E)	Missouri (T or E)	Open Water	SAB*	FLAB*	SPE* Annual	SPE* Perennial	SFE* Annual	SFE* Perennial	Wet Meadow	Grassland	Scrub/Shrub	Salix Community	Populus Community	Wet Forest	Mesic Forest	Agriculture	Developed	Sand/Mud	
	<i>Woodpeckers</i>																								
	Flicker, Northern	<i>Colaptes auratus</i>	C	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Sapsucker, Yellow-bellied	<i>Sphyrapicus varius</i>	U	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Woodpecker, Downy	<i>Picoides pubescens</i>	C	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Woodpecker, Hairy	<i>Picoides villosus</i>	U	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Woodpecker, Pileated	<i>Dryocopus pileatus</i>	U	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Woodpecker, Red-bellied	<i>Melanerpes carolinus</i>	C	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Woodpecker, Red-headed	<i>Melanerpes erythrocephalus</i>	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	<i>Wrens</i>																								
	Wren, Bewick's	<i>Thryomanes bewickii</i>	X	E	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	3	3	3	2	0
	Wren, Carolina	<i>Thryothorus ludovicianus</i>	U	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	3	3	3	2	0
	Wren, House	<i>Troglodytes aedon</i>	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	2	3	3	3	0
	Wren, Marsh	<i>Cistothorus palustris</i>	U	0	0	0	0	3	3	3	3	3	3	3	3	3	3	0	2	1	0	0	0	0	0
	Wren, Sedge	<i>Cistothorus platensis</i>	O	0	0	0	2	2	3	3	3	3	1	2	1	0	0	0	0	0	0	0	0	0	0
	Wren, Winter	<i>Troglodytes troglodytes</i>	U	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	3	0	0	0

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Fish

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Fish

Common Name	Species (Scientific Name)
Gar (Cont.)	
Gar, Spotted	<i>Lepisosteus oculatus</i>
Herring Family	
Herring, Skipjack	<i>Alosa chrysochloris</i>
Shad, Gizzard	<i>Dorosoma cepedianum</i>
Shad, Threadfin	<i>Dorosoma petenense</i>
Killifish Family	
Topminnow, Blackstripe	<i>Fundulus notatus</i>
Topminnow, Starthead	<i>Fundulus dispar</i>
Lampreys	
Lamprey, Chestnut	<i>Ichthyomyzon castaneus</i>
Lamprey, Silver	<i>Ichthyomyzon unicuspis</i>
Minnows	
Carp, Bighead	<i>Hypophthalmichthys nobilis</i>
Carp, Common	<i>Cyprinus carpio</i>
Carp, Grass	<i>Ctenopharyngodon idella</i>
Chub, Creek	<i>Semotilus atromaculatus</i>
Chub, Flathead	<i>Platygobio gracilis</i>
Chub, Sicklefin	<i>Macrhybopsis meeki</i>
Chub, Silver	<i>Macrhybopsis storeiana</i>
Chub, Speckled	<i>Macrhybopsis aestivalis</i>
Chub, Sturgeon	<i>Macrhybopsis gelida</i>
Dace, Southern Redbelly	<i>Phoxinus erythrogaster</i>
Goldfish	<i>Carassius auratus</i>
Minnow, Bluntnose	<i>Pimephales notatus</i>
Minnow, Bullhead	<i>Pimephales vigilax</i>
Minnow, Fathead	<i>Pimephales promelas</i>

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Fish

Common Name

Common Name (Cont.)	Species (Scientific Name)
Minnow, Mississippi Silvery	<i>Hybognathus nuchalis</i>
Minnow, Plains	<i>Hybognathus placitus</i>
Minnow, Pugnose	<i>Opsopoeodus emiliae</i>
Minnow, Suckermouth	<i>Phenacobius mirabilis</i>
Minnow, Western Silvery	<i>Hybognathus argyritis</i>
Shiner, Emerald	<i>Notropis atherinoides</i>
Shiner, Ghost	<i>Notropis buchanani</i>
Shiner, Golden	<i>Notemigonus crysoleucas</i>
Shiner, Mimic	<i>Notropis volucellus</i>
Shiner, Pallid	<i>Notropis amnis</i>
Shiner, Red	<i>Cyprinella lutrensis</i>
Shiner, River	<i>Notropis blennius</i>
Shiner, Sand	<i>Notropis stramineus</i>
Shiner, Silverband	<i>Notropis shumardi</i>
Shiner, Spottin	<i>Cyprinella spiloptera</i>
Shiner, Spottail	<i>Notropis hudsonius</i>
Shiner, Weed	<i>Notropis texanus</i>
<i>Mooneye Family</i>	
Goldeye	<i>Hiodon alosoides</i>
Mooneye	<i>Hiodon tergisus</i>
Mosquitofish, Western	<i>Gambusia affinis</i>
Mudminnow	<i>Umbra limi</i>
Paddlefish	<i>Polyodon spathula</i>

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Fish

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Fish

Common Name

Species (Scientific Name)	
Suckers	
Buffalo, Bigmouth	<i>Ictalurus cyprinellus</i>
Buffalo, Black	<i>Ictalurus niger</i>
Buffalo, Smallmouth	<i>Ictalurus bubalus</i>
Carp sucker, Highfin	<i>Cariodes velifer</i>
Carp sucker, River	<i>Cariodes carpio</i>
Quillback	<i>Cariodes cyprinus</i>
Redhorse, Golden	<i>Moxostoma erythrurum</i>
Redhorse, Shorthead	<i>Moxostoma macrolepidotum</i>
Redhorse, Silver	<i>Moxostoma anisurum</i>
Sucker, Blue	<i>Cyclopterus elongatus</i>
Sucker, Spotted	<i>Myomyrema melanops</i>
Sucker, White	<i>Catostomus commersoni</i>
Sunfish Family	
Bass, Largemouth	<i>Micropterus salmoides</i>
Bass, Rock	<i>Ambloplites rupestris</i>
Bass, Smallmouth	<i>Micropterus dolomieu</i>
Bluegill	<i>Lepomis macrochirus</i>
Crappie, Black	<i>Pomoxis nigromaculatus</i>
Crappie, White	<i>Pomoxis annularis</i>
Pumpkinseed	<i>Lepomis gibbosus</i>
Sunfish, Green	<i>Lepomis cyanellus</i>
Sunfish, Orange-spotted	<i>Lepomis humilis</i>
Warmouth	<i>Lepomis gulosus</i>
Trout-perch	
Trout-perch	<i>Percopsis omiscomaycus</i>

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Invertebrates

Guild	Fed. (T or E)	LA (T or E)	IL (T or E)	MO (T or E)	Open Water	SAB*	FLAB*	SPE* Annual	SPE* Perennial	SFE* Annual	SFE* Perennial	Wet Meadow	Grassland	Scrub/Shrub	Salix Community	Polygonus Community	Wet Forest	Mesic Forest	Agriculture	Developed	Sand/Mud
Lotic Erosional Macroinvertebrates								3	0	0	0	0	0	0	0	0	0	0	0	0	0
Lotic Erosional Freshwater Mussels								3	0	0	0	0	0	0	0	0	0	0	0	0	0
Lotic Depositional Macroinvertebrates								3	1	1	0	0	0	0	0	0	0	0	0	0	0
Lotic Depositional Freshwater Mussels								3	1	1	0	0	0	0	0	0	0	0	0	0	0
Lentic Limnetic Macroinvertebrates								3	3	3	3	2	2	1	0	0	0	0	0	0	0
Lentic Littoral Macroinvertebrates								1	3	3	3	3	3	1	0	0	0	0	0	0	0
Lentic Profundal Macroinvertebrates								3	1	1	0	0	0	0	0	0	0	0	0	0	0

Lotic Erosional Macroinvertebrates - Invertebrate species that cling to structures such as snares, riprap and wing dams. Some are adapted to the shifting sands at the bottom of the channel. Examples: caddis flies (Hydropsychidae); chironomid species (Chironomidae; Polypedilum convictum, Rheotanytarsus sp.); mayflies and stoneflies (Heptageniidae, Heptageniidae); and Zebra Mussels.

Lotic Erosional Freshwater Mussels - Mussels found in swift flowing channel habitats, with cobble, gravel, or sand/gravel substrates with high dissolved oxygen. Examples: Unionidae family - deer toe, pink heelsplitter, spike, sandshells, and paper shells

Lotic Depositional Macroinvertebrates - Invertebrates found in the soft substrates of low current velocity channel habitats. Examples: A variety of worms (Annelida), midges (Diptera; Chironomidae) burrowing mayflies (Ephemeridae), and fingernail clams (sphaeriidae).

Lotic Depositional Freshwater Mussels - Mussels that are found in moderate flow channel habitats, with sand-clay or silt-clay substrates. Examples: three ridge, washboard, and muckets.

Lentic Limnetic Macroinvertebrates - Invertebrates that float or swim in the water column. Examples: pelagic zooplankton, the phantom midge (Chaoborus sp.).

Lentic Littoral Macroinvertebrates - Invertebrates found among the vegetation in shallow backwaters and channel border habitats. Examples: very small zooplankton; large predaceous beetles; caenid mayflies (Ephemeroptera); case building caddisflies (Trichoptera); scuds (amphipods); beetles; dragonflies and damselflies (Odonata); and true bugs.

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Mammals

Common Name

Bats

Common Name	Species (Scientific Name)
Bat, Big Brown	<i>Eptesicus fuscus</i>
Bat, Gray	<i>Myotis grisescens</i>
Bat, Hoary	<i>Lasiurus cinereus</i>
Bat, Indiana	<i>Myotis sodalis</i>
Bat, Northern Myotis	<i>Myotis septentrionalis</i>
Bat, Little Brown	<i>Myotis lucifugus</i>
Bat, Red	<i>Lasiurus borealis</i>
Bat, Silver-haired	<i>Lasionycteris noctivagans</i>
Pipistrel, Eastern	<i>Pipistrellus subflavus</i>

Carnivores

Common Name	Species (Scientific Name)
Badger	<i>Taxidea taxus</i>
Bobcat	<i>Lynx rufus</i>
Coyote	<i>Canis latrans</i>
Fox, Gray	<i>Urocyon cinereoargenteus</i>
Fox, Red	<i>Vulpes vulpes</i>
Mink	<i>Mustela vison</i>
Otter, River	<i>Lontra canadensis</i>
Raccoon	<i>Procyon lotor</i>
Skunk, Spotted	<i>Spilogale putorius</i>
Skunk, Striped	<i>Mephitis mephitis</i>
Weasel, Least	<i>Mustela nivalis</i>
Weasel, Long-tailed	<i>Mustela frenata</i>
Weasel, Short-tailed	<i>Mustela erminea</i>

Hooved Animals

Common Name	Species (Scientific Name)
Deer, White-tailed	<i>Odocoileus virginianus</i>

Insectivores

Common Name	Species (Scientific Name)
Mole, Eastern	<i>Scalopus aquaticus</i>

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Mammals

Common Name		Species (Scientific Name)
Insectivores (Cont.)		
Shrew, Least		<i>Cryptotis parva</i>
Shrew, Masked		<i>Sorex cinereus</i>
Shrew, Short-tailed		<i>Blarina brevicauda</i>
<i>Marsupials</i>		
Opossum, Virginia		<i>Didelphis marsupialis</i>
<i>Rabbits (Lagomorphs)</i>		
Jackrabbit, White-tailed		<i>Lepus townsendii</i>
Rabbit, Eastern Cottontail		<i>Sylvilagus floridanus</i>
<i>Rodents</i>		
Beaver		<i>Castor canadensis</i>
Chipmunk, Eastern		<i>Tamias striatus</i>
Gopher, Plains Pocket		<i>Geomys bursarius</i>
Lemming, Southern Bog		<i>Synaptomys cooperi</i>
Mouse, Deer		<i>Peromyscus maniculatus</i>
Mouse, House		<i>Mus musculus</i>
Mouse, Meadow Jumping		<i>Zapus hudsonius</i>
Mouse, Western Harvest		<i>Reithrodontomys megalotis</i>
Mouse, White-footed		<i>Peromyscus leucopus</i>
Muskrat		<i>Ondatra zibethicus</i>
Nutria		<i>Myocastor coypus</i>
Rat, Norway		<i>Rattus norvegicus</i>
Squirrel, Eastern Fox		<i>Sciurus niger</i>
Squirrel, Eastern Gray		<i>Sciurus carolinensis</i>
Squirrel, Franklin's Ground		<i>Spermophilus franklinii</i>
Squirrel, Southern Flying		<i>Glaucomys volans</i>
Squirrel, Thirteen-lined Ground		<i>Spermophilus tridecemlineatus</i>

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Mammals

Common Name	Species (Scientific Name)
Rodents (Cont.)	
Vole, Meadow	<i>Microtus pennsylvanicus</i>
Vole, Pine	<i>Microtus pinetorum</i>
Vole, Prairie	<i>Microtus ochrogaster</i>
Woodchuck	<i>Marmota monax</i>

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Reptiles

Common Name		Species (Scientific Name)																	
Lizards																			
Lizard, Fence	<i>Sceloporus undulatus</i>	0	0	0	0	0	0	1	1	0	0	1	2	3	0	1	0	0	0
Lizard, Slender Glass	<i>Ophisaurus attenuatus</i>	E	0	0	0	0	0	0	1	3	0	0	0	0	0	0	0	0	0
Racerunner, Six-lined	<i>Cnemidophorus sexlineatus</i>	0	0	0	0	0	0	0	3	0	0	0	0	1	0	0	0	0	0
Skink, Broadhead	<i>Eumeces laticeps</i>	0	0	0	0	0	0	0	1	0	1	0	1	3	3	0	2	0	0
Skink, Coal	<i>Eumeces anthracinus</i>	0	0	0	0	0	0	0	1	1	0	1	3	3	1	2	0	0	0
Skink, Five-lined	<i>Eumeces fasciatus</i>	0	0	0	0	0	0	0	1	1	1	0	1	3	3	1	2	0	0
Skink, Ground	<i>Scincella lateralis</i>	0	0	0	0	0	0	0	1	1	0	1	3	3	1	2	0	0	0
Skink, Prairie	<i>Eumeces septentrionalis</i>	0	0	0	0	0	0	0	1	1	0	1	3	3	1	2	0	0	0
Snakes																			
Bullsnake	<i>Pituophis melanoleucus</i>	0	0	0	0	0	0	0	1	3	0	0	0	0	0	0	1	0	0
Coachwhip, Eastern	<i>Masticophis flagellum</i>	E	0	0	0	0	0	0	1	3	0	0	0	1	1	2	1	0	0
Copperhead	<i>Agkistrodon contortrix</i>	E	0	0	0	0	0	0	0	1	0	0	0	3	3	1	1	0	0
Cottonmouth	<i>Agkistrodon piscivorus</i>	2	2	3	1	2	1	1	0	0	1	1	0	0	0	0	1	0	0
Kingsnake, Prairie	<i>Lampropeltis calligaster</i>	0	0	0	0	0	0	0	3	3	0	0	0	0	0	0	2	1	0
Kingsnake, Speckled	<i>Lampropeltis getula</i>	E	0	0	0	0	0	1	1	3	1	1	0	2	1	0	0	0	0
Massasauga	<i>Sistrurus catenatus</i>	E	E	E	0	0	0	0	1	3	0	0	0	0	0	0	0	0	0
Racer, Blue	<i>Crotuber constrictor</i>	0	0	0	0	0	0	0	0	1	3	0	0	0	1	2	1	0	0
Rattlesnake, Timber	<i>Crotalus horridus</i>	T	0	0	0	0	0	0	0	1	0	0	0	1	3	3	0	0	0
Snake, Black Rat	<i>Elaphe obsoleta</i>	0	0	0	0	0	0	0	1	1	0	0	1	3	3	1	1	0	0
Snake, Broad-banded Water	<i>Nerodia fasciata</i>	E	2	2	1	3	1	2	1	0	1	1	1	0	1	1	1	1	1
Snake, Brown	<i>Storeria dekayi</i>	0	0	0	0	0	0	0	2	1	0	0	0	3	3	1	1	0	0
Snake, Diamondback Water	<i>Nerodia rhombifer</i>	T	2	2	2	1	1	1	0	0	1	1	0	0	0	0	0	0	0
Snake, Eastern Garter	<i>Thamnophis sirtalis</i>	0	0	1	1	2	2	3	1	1	1	1	2	1	2	1	1	1	1
Snake, Eastern Hognose	<i>Heterodon platirhinos</i>	0	0	0	0	0	0	1	3	1	0	0	1	3	2	1	1	0	0
Snake, Eastern Ribbon	<i>Thamnophis sauritus</i>	E	0	0	1	1	2	2	3	3	1	1	2	2	1	1	2	1	0
Snake, Flathead	<i>Tantilla gracilis</i>	T	0	0	0	0	0	0	1	3	0	0	0	1	1	2	1	1	0
Snake, Fox	<i>Elaphe vulpina</i>	E	0	0	0	0	0	0	3	3	0	0	0	0	2	1	0	0	0

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Reptiles

Common Name (Cont.)

Common Name (Cont.)		Species (Scientific Name)														
Snake, Graham's Crayfish	<i>Regina grahamii</i>	1	1	2	1	1	3	1	0	1	1	1	0	0	0	0
Snake, Great Plains Rat	<i>Elaphe guttata</i>	T	0	0	0	0	0	3	0	0	0	0	0	0	2	1
Snake, Green Water	<i>Nerodia cyclopion</i>	T	E	2	2	1	1	1	0	1	1	0	0	0	0	0
Snake, Kirtland's	<i>Clonophis kirtlandi</i>	T	0	0	0	0	0	3	3	0	0	0	0	1	2	0
Snake, Lined	<i>Tropidoclonion lineatum</i>	0	0	0	0	0	0	3	3	0	0	0	0	0	1	2
Snake, Milk	<i>Lampropeltis triangulum</i>	0	0	0	0	0	0	0	0	0	0	0	0	2	3	0
Snake, Mud	<i>Farancia abacura</i>	2	3	3	3	3	0	0	0	0	0	0	0	0	0	0
Snake, Northern Red-bellied	<i>Storenia occipitomaculata</i>	0	0	0	0	0	0	1	0	0	0	3	3	0	0	0
Snake, Northern Water	<i>Nerodia sipedon</i>	2	2	1	3	1	2	1	0	1	1	1	1	0	1	1
Snake, Plains Garter	<i>Thamnophis radix</i>	0	0	0	0	0	0	3	3	0	0	0	0	0	1	2
Snake, Plains Hognose	<i>Heterodon nasicus</i>	0	0	0	0	0	0	1	3	0	0	0	0	0	1	0
Snake, Ringneck	<i>Diadophis punctatus</i>	0	0	0	0	0	0	0	0	0	0	0	0	2	3	0
Snake, Rough Green	<i>Opheodrys aestivus</i>	0	0	0	0	0	0	0	1	2	0	2	2	0	0	1
Snake, Smooth Earth	<i>Virginia valeriae</i>	0	0	0	0	0	0	0	2	1	0	0	0	2	3	0
Snake, Western Ribbon	<i>Thamnophis proximus</i>	0	0	1	1	1	2	3	1	1	1	1	1	0	0	0
Snake, Western Smooth Green	<i>Opheodrys vernalis</i>	T	0	0	0	0	0	1	2	0	2	2	0	0	1	1
Snake, Western Worm	<i>Carpophis amoenus</i>	T	0	0	0	0	0	0	0	0	0	0	0	3	3	0
Snake, Yellowbelly Water	<i>Nerodia erythrogaster</i>	E	2	2	3	1	2	1	0	0	1	1	0	0	0	1
Turtles																
Cooter, River	<i>Pseudemys concinna</i>	E	1	3	3	1	2	1	1	0	0	0	0	1	1	2
Stinkpot	<i>Sternotherus odoratus</i>	T	1	2	2	1	2	1	1	0	0	1	0	0	1	0
Turtle, Alligator Snapping	<i>Macroclymys temminckii</i>	E	3	0	0	0	0	0	0	0	0	0	0	0	0	1
Turtle, Blanding's	<i>Emydoidea blandingii</i>	T	E	0	1	2	1	1	3	1	0	0	0	0	0	0
Turtle, Chicken	<i>Dirochelys reticularia</i>	E	1	3	3	1	3	1	1	0	0	0	1	1	2	1
Turtle, Eastern Box	<i>Terrapene carolina</i>	0	0	0	0	1	0	1	3	1	1	0	3	3	1	1
Turtle, False Map	<i>Graptomyx pseudogeographica</i>	2	1	1	0	0	0	0	0	0	0	0	0	0	0	1
Turtle, Map	<i>Graptomyx geographicus</i>	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0

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Reptiles

Common Name	Species (Scientific Name)
Turtles (Cont.)	
Turtle, Mississippi Mud	<i>Kinosternum subrubrum</i>
Turtle, Ornate Box	<i>Terrapene ornata</i>
Turtle, Painted	<i>Chrysemys picta</i>
Slider, Red-eared	<i>Trachemys scripta</i>
Turtle, Smooth Softshell	<i>Apalone mutica</i>
Turtle, Snapping	<i>Cheelydra serpentina</i>
Turtle, Spiny Softshell	<i>Apalone spinifera</i>
Turtle, Wood	<i>Clemmys insculpta</i>
Turtle, Yellow (Illinois) Mud	<i>Kinosternon flavescens</i>

Federally (T or E)																												
Iowa (T or E)																												
Illinois (T or E)																												
Missouri (T or E)																												
Open Water																												
FLAB*																												
SAB*																												
SPE* Annual																												
SPE* Perennial																												
SFE* Annual																												
SFE* Perennial																												
Wet Meadow																												
Grassland																												
Scrub/Shrub																												
Salix Community																												
Populus Community																												
Wet Forest																												
Mesic Forest																												
Agriculture																												
Developed																												
Sand/Mud																												

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