

New Jersey's Terrestrial Wildlife Species Benefiting from CHANJ

The Mapping Core Team of the Connecting Habitat Across New Jersey (CHANJ) Working Group compiled the following list of NJ-native terrestrial wildlife species for which lack of habitat connectivity or isolation of habitats is potentially a significant problem and may jeopardize the species' long-term viability. The list includes a variety of game and nongame species, some of rare status and others which are common. Eighty of the animals on this list are recognized as Species of Greatest Conservation Need (SGCN) in New Jersey's State Wildlife Action Plan; 25 are Focal Species of the Plan.

In some cases, species are included on the list below based on their need for terrestrial habitat connectivity during just certain periods of their life cycle (such as with some avian species, whose flightless young disperse long distances on the ground). In many other cases, species *not* included on this list may in fact benefit holistically from improved habitat connectivity. For example, habitat breaks are not a significant impediment to the necessary movements of Indiana bats, but the identification of and restoration/management guidance provided by CHANJ for habitat Cores and Corridors will certainly benefit this species.

In addition, species that represent a potentially significant safety hazard as they cross roadways are included. For example, there are a few species, like white-tailed deer, for which lack of habitat connectivity is unlikely to jeopardize their long-term viability (at least in the foreseeable future), but that are important for us to consider in the guidance document where road mitigation strategies are recommended.

Common Name	Scientific Name	State Listing Status	Federal Listing Status	Game/Nongame Status	SGCN	Focal Species
Mammals						
Allegheny Woodrat	<i>Neotoma magister</i>	Endangered	N/A	Nongame	X	X
American Beaver	<i>Castor canadensis</i>	N/A	N/A	Game		
Black Bear	<i>Ursus americanus</i>	N/A	N/A	Game		
Bobcat	<i>Lynx rufus</i>	Endangered	N/A	Game	X	
Common Gray Fox	<i>Urocyon cinereoargenteus</i>	N/A	N/A	Game		
Common Raccoon	<i>Procyon lotor</i>	N/A	N/A	Game		
Coyote	<i>Canis latrans</i>	N/A	N/A	Game		
Eastern Chipmunk	<i>Tamias striatus</i>	Undetermined	N/A	Nongame		
Eastern Cottontail	<i>Sylvilagus floridanus</i>	N/A	N/A	Game		
Eastern Gray Squirrel	<i>Sciurus carolinensis</i>	N/A	N/A	Game		
Eastern Mole	<i>Scalopus aquaticus</i>	Undetermined	N/A	Nongame		
Ermine	<i>Mustela erminea</i>	N/A	N/A	Game		
Fisher	<i>Martes pennanti</i>	Undetermined	N/A	Game	X	
Hairy-tailed Mole	<i>Parascalops breweri</i>	Undetermined	N/A	Nongame	X	
Least Shrew	<i>Cryptotis parva</i>	Undetermined	N/A	Nongame	X	
Long-tailed Shrew	<i>Sorex dispar</i>	Undetermined	N/A	Nongame	X	
Long-tailed Weasel	<i>Mustela frenata</i>	Undetermined	N/A	Game		
Marsh Rice Rat	<i>Oryzomys palustris</i>	Undetermined	N/A	Nongame	X	

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Masked Shrew	<i>Sorex cinereus</i>	Undetermined	N/A	Nongame		
Meadow Jumping Mouse	<i>Zapus hudsonius</i>	Undetermined	N/A	Nongame	X	
Meadow Vole	<i>Microtus pennsylvanicus</i>	Undetermined	N/A	Nongame		
Mink	<i>Neovison vison</i>	N/A	N/A	Game		
Muskrat	<i>Ondatra zibethicus</i>	N/A	N/A	Game		
Northern Flying Squirrel	<i>Glaucomys sabrinus</i>	Undetermined	N/A	Nongame	X	
Northern River Otter	<i>Lontra canadensis</i>	N/A	N/A	Game		
Porcupine	<i>Erethizon dorsatum</i>	Undetermined	N/A	Nongame		
Pygmy Shrew	<i>Sorex hoyi</i>	Undetermined	N/A	Nongame		
Red Fox	<i>Vulpes vulpes</i>	N/A	N/A	Game		
Red Squirrel	<i>Tamiasciurus hudsonicus</i>	Undetermined	N/A	Nongame		
Short-tailed-shrew	<i>Blarina brevicauda</i>	Undetermined	N/A	Nongame		
Smoky Shrew	<i>Sorex fumeus</i>	Undetermined	N/A	Nongame	X	
Southern Bog Lemming	<i>Synaptomys cooperi</i>	Undetermined	N/A	Nongame	X	
Southern Flying Squirrel	<i>Glaucomys volans</i>	Undetermined	N/A	Nongame		
Southern Red-backed Vole	<i>Myodes gapperi</i>	Undetermined	N/A	Nongame		
Star-nosed Mole	<i>Condylura cristata</i>	Undetermined	N/A	Nongame	X	
Striped Skunk	<i>Mephitis mephitis</i>	N/A	N/A	Game		
Tuckahoe Masked Shrew	<i>Sorex cinereus nigriculus</i>	Undetermined	N/A	Nongame	X	
Virginia Opossum	<i>Didelphis virginiana</i>	N/A	N/A	Game		
Water Shrew	<i>Sorex palustris</i>	Undetermined	N/A	Nongame	X	
White-footed Mouse	<i>Peromyscus leucopus</i>	Undetermined	N/A	Nongame		
White-tailed Deer	<i>Odocoileus virginianus</i>	N/A	N/A	Game		
Woodchuck	<i>Marmota monax</i>	N/A	N/A	Game		
Woodland Jumping Mouse	<i>Napaeozapus insignis</i>	Undetermined	N/A	Nongame	X	
Woodland Vole	<i>Microtus pinetorum</i>	Undetermined	N/A	Nongame		
Birds						
American Bittern	<i>Botaurus lentiginosus</i>	Endangered	N/A	Nongame	X	
American Black Duck	<i>Anas rubripes</i>	N/A	N/A	Game	X	
American Woodcock	<i>Scolopax minor</i>	N/A	N/A	Game	X	X
Black Rail	<i>Laterallus jamaicensis</i>	Endangered	N/A	Nongame	X	X
Clapper Rail	<i>Rallus longirostris</i>	N/A	N/A	Game	X	

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King Rail	<i>Rallus elegans</i>	N/A	N/A	Game	X	
Least Bittern	<i>Ixobrychus exilis</i>	Special Concern	N/A	Nongame	X	
Northern Bobwhite	<i>Colinus virginianus</i>	N/A	N/A	Game	X	X
Ruffed Grouse	<i>Bonasa umbellus</i>	N/A	N/A	Game	X	
Virginia Rail	<i>Rallus limicola</i>	N/A	N/A	Game	X	
Whip-poor-will	<i>Caprimulgus vociferus</i>	Special Concern	N/A	Nongame	X	
Wild Turkey	<i>Meleagris gallopavo</i>	N/A	N/A	Game		
Reptiles						
Bog Turtle	<i>Glyptemys muhlenbergii</i>	Endangered	Threatened	Nongame	X	X
Common Map Turtle	<i>Graptemys geographica</i>	Undetermined	N/A	Nongame		
Common Musk Turtle	<i>Sternotherus odoratus</i>	Secure/Stable	N/A	Nongame		
Common Snapping Turtle	<i>Chelydra serpentina serpentina</i>	N/A	N/A	Game		
Corn Snake	<i>Pantherophis guttatus</i>	Endangered	N/A	Nongame	X	X
Eastern Box Turtle	<i>Terrapene carolina carolina</i>	Special Concern	N/A	Nongame	X	X
Eastern Fence Lizard	<i>Sceloporus undulatus hyacinthinus</i>	Secure/Stable	N/A	Nongame	X	
Eastern Garter Snake	<i>Thamnophis sirtalis sirtalis</i>	Secure/Stable	N/A	Nongame		
Eastern Hognose Snake	<i>Heterodon platirhinos</i>	Secure/Stable	N/A	Nongame	X	X
Eastern Kingsnake	<i>Lampropeltis getula getula</i>	Special Concern	N/A	Nongame	X	
Eastern Milk Snake	<i>Lampropeltis triangulum triangulum</i>	Secure/Stable	N/A	Nongame		
Eastern Mud Turtle	<i>Kinosternon subrubrum subrubrum</i>	Secure/Stable	N/A	Nongame	X	
Eastern Painted Turtle	<i>Chrysemys picta picta</i>	Secure/Stable	N/A	Nongame	X	
Eastern Rat Snake	<i>Pantherophis alleghaniensis</i>	Undetermined	N/A	Nongame	X	
Eastern Redbelly Turtle	<i>Pseudemys rubriventris</i>	Undetermined	N/A	Nongame	X	X
Eastern Ribbon Snake	<i>Thamnophis sauritus sauritus</i>	Secure/Stable	N/A	Nongame	X	
Eastern Smooth Earth Snake	<i>Virginia valeriae valeriae</i>	Undetermined	N/A	Nongame	X	
Eastern Worm Snake	<i>Carphophis amoenus amoenus</i>	Undetermined	N/A	Nongame	X	
Five-lined Skink	<i>Plestiodon fasciatus</i>	Undetermined	N/A	Nongame	X	
Ground Skink	<i>Scincella lateralis</i>	Undetermined	N/A	Nongame	X	
Northern Black Racer	<i>Coluber constrictor constrictor</i>	Undetermined	N/A	Nongame	X	X
Northern Brown Snake	<i>Storeria dekayi</i>	Secure/Stable	N/A	Nongame	X	
Northern Copperhead	<i>Agkistrodon contortrix mokasen</i>	Special Concern	N/A	Nongame	X	
Northern Diamondback Terrapin	<i>Malaclemys terrapin terrapin</i>	N/A	N/A	Game	X	X

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Northern Pine Snake	<i>Pituophis melanoleucus melanoleucus</i>	Threatened	N/A	Nongame	X	X
Northern Redbelly Snake	<i>Storeria occipitomaculata occipitomaculata</i>	Secure/Stable	N/A	Nongame		
Northern Ringneck Snake	<i>Diadophis punctatus edwardsii</i>	Secure/Stable	N/A	Nongame	X	
Northern Scarlet Snake	<i>Cemophora coccinea copei</i>	Undetermined	N/A	Nongame	X	X
Northern Water Snake	<i>Nerodia sipedon sipedon</i>	Secure/Stable	N/A	Nongame		
Queen Snake	<i>Regina septemvittata</i>	Endangered	N/A	Nongame	X	
Rough Green Snake	<i>Opheodrys aestivus</i>	Secure/Stable	N/A	Nongame	X	
Smooth Green Snake	<i>Opheodrys vernalis</i>	Undetermined	N/A	Nongame	X	
Spotted Turtle	<i>Clemmys guttata</i>	Special Concern	N/A	Nongame	X	
Timber Rattlesnake	<i>Crotalus horridus horridus</i>	Endangered	N/A	Nongame	X	X
Wood Turtle	<i>Glyptemys insculpta</i>	Threatened	N/A	Nongame	X	X
Amphibians						
Allegheny Dusky Salamander	<i>Desmognathus ochrophaeus</i>	Secure/Stable	N/A	Nongame	X	
American Toad	<i>Bufo americanus</i>	Secure/Stable	N/A	Nongame		
Blue-spotted Salamander	<i>Ambystoma laterale</i>	Endangered	N/A	Nongame	X	
Bullfrog	<i>Rana catesbeiana</i>	N/A	N/A	Nongame		
Carpenter Frog	<i>Lithobates virgatipes</i>	Special Concern	N/A	Nongame	X	X
Cope's Gray Treefrog	<i>Hyla chrysoscelis</i>	Endangered	N/A	Nongame	X	
Eastern Mud Salamander	<i>Pseudotriton montanus montanus</i>	Threatened	N/A	Nongame	X	
Eastern Spadefoot	<i>Scaphiopus holbrookii</i>	Undetermined	N/A	Nongame	X	X
Eastern Tiger Salamander	<i>Ambystoma tigrinum tigrinum</i>	Endangered	N/A	Nongame	X	X
Four-toed Salamander	<i>Hemidactylium scutatum</i>	Undetermined	N/A	Nongame	X	
Fowler's Toad	<i>Anaxyrus fowleri</i>	Special Concern	N/A	Nongame	X	
Green Frog	<i>Rana clamitans melanota</i>	N/A	N/A	Nongame		
Jefferson Salamander	<i>Ambystoma jeffersonianum</i>	Special Concern	N/A	Nongame	X	
Longtail Salamander	<i>Eurycea longicauda longicauda</i>	Threatened	N/A	Nongame	X	X
Marbled Salamander	<i>Ambystoma opacum</i>	Special Concern	N/A	Nongame	X	
New Jersey Chorus Frog	<i>Pseudacris kalmi</i>	Undetermined	N/A	Nongame	X	X
Northern Cricket Frog	<i>Acris crepitans</i>	Secure/Stable	N/A	Nongame	X	
Northern Dusky Salamander	<i>Desmognathus fuscus fuscus</i>	Secure/Stable	N/A	Nongame	X	
Northern Gray Treefrog	<i>Hyla versicolor</i>	Secure/Stable	N/A	Nongame		
Northern Red Salamander	<i>Pseudotriton ruber ruber</i>	Secure/Stable	N/A	Nongame	X	X

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Northern Spring Salamander	<i>Gyrinophilus porphyriticus porphyriticus</i>	Secure/Stable	N/A	Nongame	X	
Northern Two-lined Salamander	<i>Eurycea bislineata</i>	Secure/Stable	N/A	Nongame	X	
Pickerel Frog	<i>Rana palustris</i>	Secure/Stable	N/A	Nongame		
Pine Barrens Treefrog	<i>Hyla andersonii</i>	Threatened	N/A	Nongame	X	X
Redback Salamander	<i>Plethodon cinereus</i>	Secure/Stable	N/A	Nongame		
Red-spotted Newt	<i>Notophthalmus viridescens viridescens</i>	Secure/Stable	N/A	Nongame		
Slimy Salamander	<i>Plethodon glutinosus glutinosus</i>	Secure/Stable	N/A	Nongame	X	
Southern Leopard Frog	<i>Rana sphenoccephala</i>	Secure/Stable	N/A	Nongame	X	
Spotted Salamander	<i>Ambystoma maculatum</i>	Secure/Stable	N/A	Nongame	X	
Spring Peeper	<i>Pseudacris crucifer</i>	Secure/Stable	N/A	Nongame		
Wood Frog	<i>Rana sylvatica</i>	Secure/Stable	N/A	Nongame		
Insects						
Frosted Elfin	<i>Callophrys irus</i>	Threatened	N/A	Nongame	X	X
Georgia Satyr	<i>Neonympha helicta</i>	Special Concern	N/A	Nongame	X	X
Northern Metalmark	<i>Calephelis borealis</i>	Special Concern	N/A	Nongame	X	X
Silver-bordered Fritillary	<i>Boloria selene myrina</i>	Threatened	N/A	Nongame	X	