

New Jersey's "Upper Tier" Priority Species of Greatest Conservation Need

Proposed for the 2015 SWAP Update

The following table lists New Jersey's 107 "Upper Tier" Priority Species of Greatest Conservation Need, as updated for the 2015 State Wildlife Action Plan (SWAP). "Upper Tier" species are a subset of Priority SGCNs with the greatest conservation need in our region and state, and for whom our capacity to affect conservation is also the greatest.

Each Conservation Need Score and Feasibility Score shown below represents the sum of two criteria. The Conservation Need sum ranges from 2 to 8, with 2 indicating the greatest need and 8 indicating the least need. The Feasibility sum ranges from 2 to 7, with 2 indicating the greatest capacity for achieving conservation.

Common Name	Scientific Name	Conservation Need Score (Sum)	Feasibility Score (Sum)
Birds			
American Oystercatcher	Haematopus palliatus	4	3
American Woodcock	Scolopax minor	4	4
Black Rail	Laterallus jamaicensis	3	4
Black Skimmer	Rynchops niger	5	3
Blue-winged Warbler	Vermivora pinus	4	3
Bobolink	Dolichonyx oryzivorus	4	4
Cattle Egret	Bubulcus ibis	4	4
Cerulean Warbler	Dendroica cerulea	3	4
Common Tern	Sterna hirundo	4	4
Eastern Meadowlark	Sturnella magna	4	4
Forster's Tern	Sterna forsteri	4	4
Golden-winged Warbler	Vermivora chrysoptera	3	3
Grasshopper Sparrow	Ammodramus savannarum	4	4
Kentucky Warbler	Oporornis formosus	4	4
Least Tern	Sternula antillarum	4	3
Little Blue Heron	Egretta caerulea	4	4
Northern Bobwhite	Colinus virginianus	4	4
Northern Harrier	Circus cyaneus	4	4
Peregrine Falcon	Falco peregrinus	3	3
Pied-billed Grebe	Podilymbus podiceps	4	4
Piping Plover	Charadrius melodus	3	3
Prothonotary Warbler	Protonotaria citrea	4	4
Red Knot	Calidris canutus	2	3
Red-headed Woodpecker	Melanerpes erythrocephalus	4	4
Ruddy Turnstone	Arenaria interpres	4	3
Scarlet Tanager	Piranga olivacea	4	4
Snowy Egret	Egretta thula	4	4
Tricolored Heron	Egretta tricolor	4	4
Vesper Sparrow	Poocetes gramineus	4	4
Wood Thrush	Hylocichla mustelina	4	4

Common Name	Scientific Name	Conservation Need Score (Sum)	Feasibility Score (Sum)
Fish			
Freshwater Fish			
Banded Sunfish	Enneacanthus obesus	3	3
Blackbanded Sunfish	Enneacanthus chaetodon	3	3
Bridle Shiner	Notropis bifrenatus	3	2
Comely Shiner	Notropis amoenus	4	4
Ironcolor Shiner	Notropis chalybaeus	3	2
Mud Sunfish	Acantharchus pomotis	4	4
Swamp Darter	Etheostoma fusiforme	4	4
Marine Fish			
Alewife	Alosa pseudoharengus	4	4
Atlantic Sturgeon	Acipenser oxyrinchus	3	4
Blueback Herring	Alosa aestivalis	4	4
Shortnose Sturgeon	Acipenser brevirostrum	3	4
Invertebrates			
Bees			
American Bumble Bee	Bombus pennsylvanicus	4	2
Ashton Cuckoo Bumble Bee	Bombus bohemicus	4	2
Rusty Patched Bumble Bee	Bombus affinis	4	2
Southern Plains Bumble Bee	Bombus fraternus	4	2
Variable Cuckoo Bumble Bee	Bombus variabilis	3	2
Yellow Bumble Bee	Bombus fervidus	5	2
Yellow-banded Bumble Bee	Bombus terricola	5	2
Butterflies			
Arogos Skipper	Atrytone arogos arogos	3	2
Dotted Skipper	Hesperia attalus slossonae	4	3
Frosted Elfin	Callophrys irus	3	2
Georgia Satyr	Neonympha helicta	4	4
Hoary Elfin	Callophrys polios	4	4
Leonard's Skipper	Hesperia leonardus	4	4
Northern Metalmark	Calephelis borealis	3	2
Moths			
A Notodontid Moth (H. varia)	Heterocampa varia	5	2
Buchholz'a Gray	Hypomecis buchholzaria	5	2
Buchholz's Dart Moth	Agrotis buchholzi	4	2
Carter's Noctuid Moth	Spartiniphaga carterae	4	2
Daecke's Pyralid Moth	Crambus daeckellus	4	2
Maritime Sunflower Borer Moth	Papaipema maritima	3	4
Papaipema harrisii	Papaipema harrisii	3	4
Pink Sallow	Psectraglaea carnosa	4	4
Sand Myrtle Looper/Pink	Cyclophora culicaria	5	3

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Mussels			
Brook Floater	<i>Alasmidonta varicosa</i>	2	4
Dwarf Wedgemussel	<i>Alasmidonta heterodon</i>	2	4
Eastern Lampmussel	<i>Lampsilis radiata</i>	4	4
Green Floater	<i>Lasmigona subviridis</i>	2	4
Triangle Floater	<i>Alasmidonta undulata</i>	4	4
Yellow Lampmussel	<i>Lampsilis cariosa</i>	3	4
Odonates			
New England Bluet	<i>Enallagma laterale</i>	4	4
Pine Barrens Bluet	<i>Enallagma recurvatum</i>	3	4
Robust Baskettail	<i>Epithea spinosa</i>	4	4
Scarlet Bluet	<i>Enallagma pictum</i>	4	4
Septima's Clubtail	<i>Gomphus septima</i>	4	4
Superb Jewelwing	<i>Calopteryx amata</i>	4	4
Tiger Beetles			
Little White Tiger Beetle	<i>Cicindela lepida</i>	5	2
New Jersey Pine Barrens Tiger Beetle	<i>Cicindela patruela consentanea</i>	3	2
Northeastern Beach Tiger Beetle	<i>Cicindela dorsalis dorsalis</i>	2	2
Southeastern Beach Tiger Beetle	<i>Cicindela dorsalis media</i>	5	2
Mammals			
Marine Mammals			
North Atlantic Right Whale	<i>Eubalaena glacialis</i>	4	4
Terrestrial Mammals			
Allegheny Woodrat	<i>Neotoma magister</i>	3	2
Indiana Bat	<i>Myotis sodalis</i>	4	2
Little Brown Bat	<i>Myotis lucifugus</i>	4	4
Northern Myotis	<i>Myotis septentrionalis</i>	4	4
Reptiles & Amphibians			
Amphibians			
Carpenter Frog	<i>Lithobates virgatipes</i>	4	4
Eastern Spadefoot	<i>Scaphiopus holbrookii</i>	4	4
Eastern Tiger Salamander	<i>Ambystoma tigrinum tigrinum</i>	4	2
Longtail Salamander	<i>Eurycea longicauda longicauda</i>	4	4
NJ Chorus Frog	<i>Pseudacris kalmi</i>	3	4
Northern Red Salamander	<i>Pseudotriton ruber ruber</i>	4	4
Pine Barrens Treefrog	<i>Hyla andersonii</i>	4	4
Reptiles			
Atlantic Green Turtle	<i>Chelonia mydas</i>	5	3
Atlantic Leatherback	<i>Dermochelys coriacea</i>	5	3
Atlantic Loggerhead	<i>Caretta caretta</i>	5	3
Atlantic Ridley	<i>Lepidochelys kempii</i>	5	3
Bog Turtle	<i>Glyptemys muhlenbergii</i>	2	2
Corn Snake	<i>Elaphe guttata guttata</i>	4	2

Common Name	Scientific Name	Conservation Need Score (Sum)	Feasibility Score (Sum)
Eastern Box Turtle	<i>Terrapene carolina carolina</i>	4	4
Eastern Hognose Snake	<i>Heterodon platirhinos</i>	5	3
Eastern Redbelly Turtle	<i>Pseudemys rubriventris</i>	4	4
Northern Black Racer	<i>Coluber constrictor constrictor</i>	4	4
Northern Diamondback Terrapin	<i>Malaclemys terrapin terrapin</i>	3	2
Northern Pine Snake	<i>Pituophis melanoleucus melanoleucus</i>	4	2
Northern Scarlet Snake	<i>Cemophora coccinea copei</i>	4	4
Timber Rattlesnake	<i>Crotalus horridus horridus</i>	4	2
Wood Turtle	<i>Glyptemys insculpta</i>	3	2