

NJDEP recommendations to amend the lists of endangered and nongame wildlife

Statutory Authority:

N.J.A.C. 23:2A-4

- NJDEP Fish &Wildlife is charged with conducting investigations of wildlife indigenous to the State to develop information on populations, distribution, habitat needs, and other biological and ecological data, to determine management measures needed for wildlife populations to perpetuate themselves successfully.
- On the basis of such investigations, the DEP may promulgate a list of those species that are determined to be endangered. This list shall be periodically reviewed and amended.

Recommended changes include:

- * Additions, deletions, and conservation status updates to the list of endangered species and the nongame species list, based on the Department's investigations regarding the status of wildlife species populations in the State.
- * One significant and several minor organizational amendments to the two lists. The proposed structural and organizational amendments affect how we describe the conservation status updates, so this presentation will address the structural/organizational changes first.
- * Changes to the definitions section including adding four new terms, amending five existing terms, and a minor change to the title of the nongame species list.
- * A new subsection that addresses the way DEP adds species to the list of endangered species that have been added to the Federal list (ESA) but are not currently included on the State list of endangered species.
- * Updates and corrections to the scientific and/or common names of several species on both lists based on updated nomenclature.
- * A minor amendment regarding the term of the Chairperson of the Endangered and Nongame Species Advisory Committee (ENSAC).

Organizational Changes

No Actual
Change in
Conservation
Status





Organizational changes

The list of endangered species will be formally defined to include species with a conservation status of *endangered* or *threatened*.

The statute includes two degrees of imperilment, which the Department has defined as "endangered" and "threatened."

- endangered species were put on the endangered species list
- threatened species were put on the nongame list
- This categorization was addressed in a 2008 legal decision that confirmed *threatened* as a subset of *endangered* species.

This rule change will formally move threatened species from the nongame list to the list of endangered species.



Organizational Changes

32 threatened species will remain as threatened but appear on the endangered species list

Common Name	Scientific name	Common Name	Scientific name
Freshwater Mussels (5)		Amphibians (3)	
	I mana milia ana di men	Eastern Long-tailed Salamander	Eurycea l. longicauda
Eastern Lampmussel	Lampsilis radiata	Eastern Mud Salamander	Pseudotriton m. montanus
Eastern Pondmussel	Ligumia nasuta	Pine Barrens Treefrog	Dryophytes andersonii
Tidewater Mucket	Leptodea ochracea	Reptiles (2)	
Triangle Floater	Alasmidonta undulata	Northern Pinesnake	Pituophis m. melanoleucus
		Wood Turtle	Glyptemys insculpta
Yellow Lampmussel	Lampsilis cariosa	Birds -breeding (10)	
Dragonflies & Damselflies (<u>6)</u>	American Kestrel	Falco sparverius
Banner Clubtail	Hylogomphus apomyius	Barred Owl	Strix varia
		Black-crowned Night-Heron	Nycticorax nycticorax
Brook Snaketail	Ophiogomphus aspersus	Bobolink	Dolichonyx oryzivorus
Harpoon Clubtail	Phanogomphus descriptus	Grasshopper Sparrow	Ammodramus savannarum
Kennedy's Emerald	Somatochlora kennedyi	Horned lark	Eremophila alpestris
Robust Baskettail	· ·	Long-eared Owl	Asio otus
	Epitheca spinosa	Red-headed Woodpecker	Melanerpes erythrocephalus
Superb Jewelwing	Calopteryx amata	Savannah Sparrow	Passerculus sandwichensis
Butterflies (2)		Yellow-crowned Night-Heron	Nyctanassa violacea
Checkered White	Pontia protodice	Birds -non-breeding (4)	
		American Kestrel	Falco sparverius
Frosted Elfin	Callophrys irus	Barred Owl	Strix varia
		Long-eared Owl	Asio otus
		Yellow-crowned Night-Heron	Nyctanassa violacea



Conservation Status changes



NEW JERSEY DEP
Fish and Wildlife

Super brief count of recommended changes to the endangered list based on species status assessments

There are a total of 5 changes to species currently listed as Endangered or Threatened that will no longer be E or T. They are bald eagle (breeding), bald eagle (non-breeding), osprey (breeding), red-headed woodpecker (non-breeding), and cattle egret (breeding).

A total of 27 species* will be newly listed as E or T (that is, not currently listed as either E on Endangered list or T on Nongame list).

(*note that this counts breeding and non-breeding populations of birds separately).



Recommended changes to Conservation Status of 34 species based on species status assessments

	Reduced conservation concern			rn Increased conservation concern				
SPECIES GROUPS	E to T	E to SC, S or U	Total	T to E	S or SC to T or E	U to T or E	nl to T or E	Total
Bees	-	-	-	-	-	-	1	1
Butterflies	-	-	-	1	6	-	4	11
Freshwater Fish	-	-	-	-	-	-	4	4
Amphibians	1	-	1	-	-	-	-	-
Reptiles	-	-	-	1	1	1	-	3
Birds (breeding)	1	1	2	-	4	-	1	5
Birds (non-breeding)	-	-	-	1	1	-	-	2
Land Mammals	1	-	1	-	-	4	-	4
TOTAL	3	1	4	3	12	5	10	30



Recommended changes to Conservation Status of 34 species

Scientific name

Species

REDUCED CONSERVATION CONCERN

Amphibians:
Cope's Gray
Treefrog Dryophytes chrysoscelis

Birds (breeding):
Bald Eagle Haliaeetus leucocephalus
Peregrine Falcon Falco peregrinus

Land Mammals:
Bobcat Lynx rufus

INCREASED CONSERVATION CONCERN **Insects:** Bees: Rusty-patched Bumble Bee Bombus affinis Butterflies: Acadian Hairstreak Satyrium acadica Common Roadside-Skipper Amblyscirtes vialis **Dotted Skipper** Hesperia a. attalus Gray Comma Polygonia progne Georgia Satyr Neonympha areolatus Hoary Elfin Callophrys polios Leonard's Skipper Hesperia leonardus Northern Metalmark Calephelis borealis Pepper and Salt Skipper Amblyscirtes hegon Myrina Fritillary Boloria m. myrina Two-spotted Skipper Euphyes bimacula Fish: Atlantic Sturgeon Acipenser oxyrinchus **Bridle Shiner** *Notropis bifrenatus* Ironcolor Shiner Notropis chalybaeus Slimy Sculpin Cottus cognatus

Species

INCREASED CONSERVATION CONCERN **Reptiles:** Green Sea Turtle Chelonia mydas Eastern Copperhead Agkistrodon contortrix Northern Scarletsnake Cemophora coccinea copei Birds (breeding): Barn Owl Tyto alba Eastern Meadowlark Sturnella magna Kentucky Warbler Geothlypis formosa King Rail Rallus elegans Saltmarsh Sparrow Ammospiza caudacuta Birds (non-breeding): Black Rail Laterallus jamaicensis Golden-winged Warbler Vermivora chrysoptera **Mammals:** Land Mammals: Eastern Small-footed Myotis Myotis leibii Northern Myotis Myotis septentrionalis Little Brown Myotis Myotis lucifugus Tricolored Bat Perimvotis subflavus

Scientific name

REDUCED Conservation Status for 4 species on the endangered list

Species Scientific name Proposed status change

REDUCED CONSERVATION CONCERN

Amphibians:

Cope's Gray Treefrog Dryophytes chrysoscelis E to T

Birds (breeding):

Bald Eagle Haliaeetus leucocephalus E to SC (br), T to S (non-br)

Peregrine Falcon Falco peregrinus E to T (br)

Land Mammals:

Bobcat Lynx rufus E to T



INCREASED Conservation Status for 30 Species

Species	Scientific name	Proposed status change	Species	Scientific name	Proposed status change
INCREASED CONSERVA	TION CONCERN		INCREASED CONSERVA	TION CONCERN	
<u>Insects:</u>			Reptiles:		
Bees:			Green Sea Turtle	Chelonia mydas	T to E
Rusty-patched Bumble Bee	Bombus affinis	nl to E (+federal)	Eastern Copperhead	Agkistrodon contortrix	SC to T
Butterflies:			Northern Scarletsnake	Cemophora coccinea copei	U to T
Acadian Hairstreak	Satyrium acadica	nl to E	Birds (breeding):	1	
Common Roadside-Skipper	Amblyscirtes vialis	nl to T	Barn Owl	Tyto alba	SC to T
Dotted Skipper	Hesperia a. attalus	SC to T	Eastern Meadowlark	Sturnella magna	SC to T
Gray Comma	Polygonia progne	nl to T	Kentucky Warbler	Geothlypis formosa	SC to T
Georgia Satyr	Neonympha areolatus	SC to T	King Rail	Rallus elegans	nl to E
Hoary Elfin	Callophrys polios	SC to T	_	e e e e e e e e e e e e e e e e e e e	
Leonard's Skipper	Hesperia leonardus	SC to T	Saltmarsh Sparrow	Ammospiza caudacuta	SC to T
Northern Metalmark	Calephelis borealis	SC to E	Birds (non-breeding):		
Pepper and Salt Skipper	Amblyscirtes hegon	nl to T	Black Rail	Laterallus jamaicensis	T to E
Myrina Fritillary	Boloria m. myrina	T to E	Golden-winged Warbler	Vermivora chrysoptera	SC to E
Two-spotted Skipper	Euphyes bimacula	SC to T	Mammals:		
Fish:			Land Mammals:		
Atlantic Sturgeon	Acipenser oxyrinchus	nl to E	Eastern Small-footed Myotis	Myotis leibii	U to E
Bridle Shiner	Notropis bifrenatus	nl to E	Northern Myotis	Myotis septentrionalis	U to E
Ironcolor Shiner	Notropis chalybaeus	nl to E	Little Brown Myotis	Myotis lucifugus	U to E
Slimy Sculpin	Cottus cognatus	nl to T	Tricolored Bat	Perimyotis subflavus	U to E



Recommended changes to species on the Nongame list





Summary of 114 recommended changes to nongame species list at N.J.A.C. 7:25-4.17

	(no		New" usly listed	d - nl)	Increased Conservation Concern		ced cons	ervation	concern			ral" chang vation con		Deleted
	nl	nl	nl		S	T	T	SC		S	U	U		
Species Group	to S	to U	to SC	total	to SC	to S	to SC	to S	total	to U	to S	to SC	total	total
Crayfish & Fairy									! !				<u> </u>	
Shrimp	-	-	1	1	-	-	-	-	-	-	-	-	-	-
Butterflies	-	-	9	9	-	-	-	-	_	-	-	-	-	-
Freshwater Fish	-	-	6	6	-	-	-	-	_	-	-	-	-	-
Amphibians	-	2	-	2	2	-	-	1	1	-	1	1	2	-
Reptiles	-	-	1	1	2	-	-	-	_	1	6	3	10	-
Birds (breeding)	2*	-	-	2	8	1	1	6	8	3	-	-	3	-
Birds (non-breeding)	4	1	1	6	6	1	1	7	9	_	-	1	1	1
Land Mammals	_	1	-	1	-	-	- ,	-	 - 	-	12	5	17	-
Marine Mammals	-				-					-	4	2	6	10
Total	6	4	18	28	18	2	2	14	18	4	23	12	39	11

The List of Regulated Nongame Wildlife includes native species with a conservation status of SC, S, or U – Special Concern, Stable/Secure, or Undetermined/Unknown.

This table does not include species moving to or from list of endangered species (E to S, SC, or U) that were included in previous tables.



ADDITION of 28 new Species to the *nongame species* list

Species	Scientific name	Current Status	Proposed Status	Species	Scientific name	Current Status	Proposed Status
NEW TO LISTS				NEW TO LISTS			
Crayfish/Fairy Shrimp:				Amphibians:			
Eastern Fairy Shrimp	Eubranchipus holmanii	nl	SC	Green Treefrog	Dryophytes cinereus	nl	U
<u>Butterflies</u> :				Mid-Atlantic Coast Leopard Frog	Lithobates kauffeldi	nl	U
Baltimore Checkerspot	Euphydryas phaeton	nl	SC	·	<u> Limoodies kauffeidi</u>	111	C
Compton Tortoiseshell	Nymphalis I-album	nl	SC	Reptiles:			
Dusted Skipper	Atrytonopsis hianna	nl	SC	Northern Diamond-backed Terrapin	Malaclemys t.terrapin	nl	SC
Eyed Brown	Lethe eurydice	nl	SC	Birds (breeding):			
Hickory Hairstreak	Satyrium caryaevorus	nl	SC	Mississippi Kite*	Ictinia mississippiensis	nl*	S
Monarch	Danaus plexippus	nl	SC	Royal Tern*	Thalasseus maximus	nl*	S
Northern Oak Hairstreak	Satyrium favonius ontario	nl	SC	Birds (nonbreeding):			
Rare Skipper	Problema bulenta	nl	SC	Audubon's Shearwater	Puffinus lherminieri	nl	S
Sleepy Duskywing	Erynnis brizo	nl	SC	Black Tern	Chlidonias niger	nl	S
Fish:				Bicknell's Thrush	Catharus bicknelli	nl	SC
American Brook Lamprey	Lethenteron appendix	nl	SC				U
Blackbanded Sunfish	Enneacanthus chaetodon	nl	SC	King Rail	Rallus elegans	nl	
Comely Shiner	Notropis amoenus	nl	SC	Nelson's Sparrow	Ammospiza nelsoni	nl	S
Mud Sunfish	Acantharchus pomotis	nl	SC	Sandwich Tern	Thalasseus sandvicensis	nl	S
Northern Hog Sucker	Hypentelium nigricans	nl	SC	Land Mammals :			
Shield Darter	Percina peltata	nl	SC	Eastern Pygmy Shrew	Sorex hoyi	nl	U

INCREASED Conservation Status for 18 Species - Special Concern

Species	Scientific name	Current Status	Proposed Status
Amphibians:			
Eastern Cricket Frog	Acris crepitans	S	SC
Spotted Salamander	Ambystoma maculatum	S	SC
Reptiles:			
Eastern Hog-nosed Snake	Heterodon platirhinos	S	SC
Rough Greensnake	Opheodrys aestivus	S	SC
Birds - breeding:			
Bank Swallow	Riparia riparia	S	SC
Blue-winged Warbler	Vermivora cyanoptera	S	SC
Chimney Swift	Chaetura pelagica	S	SC
Field Sparrow	Spizella pusilla	S	SC
Green Heron	Butorides virescens	S	SC
Prairie Warbler	Setophaga discolor	S	SC
Purple Martin	Progne subis	S	SC
Rose-breasted Grosbeak	Pheucticus ludovicianus	S	SC
Birds - nonbreeding:			
Black-billed Cuckoo	Coccyzus erythropthalmus	S	SC
Canada Warbler	Cardellina canadensis	S	SC
Olive-sided Flycatcher	Contopus cooperi	S	SC
Ruddy Turnstone	Arenaria interpres	S	SC
Rusty Blackbird	Euphagus carolinus	S	SC
Saltmarsh Sparrow	Ammospiza caudacuta	S	SC
_	_		



REDUCED Conservation Status for 18 Species

Scientific name	Current Status	Proposed Status
Anaxyrus fowleri	SC	S
Vireo solitarius	SC	S
Bubulcus ibis	T	SC
Accipiter cooperii	SC	S
Setophaga citrina	SC	S
Leiothlypis ruficapilla	SC	S
Setophaga americana	SC	S
Pandion haliaetus	T	S
Helmitheros vermivorum	SC	S
Haliaeetus leucocephalus	T	S
Bubulcus ibis	SC	S
Chordeiles minor	SC	S
Catharus minimus	SC	S
Accipiter gentilis	SC	S
Falco peregrinus	SC	S
Melanerpes erythrocephalus	T	SC
Accipiter striatus	SC	S
Numenius phaeopus	SC	S
	Anaxyrus fowleri Vireo solitarius Bubulcus ibis Accipiter cooperii Setophaga citrina Leiothlypis ruficapilla Setophaga americana Pandion haliaetus Helmitheros vermivorum Haliaeetus leucocephalus Bubulcus ibis Chordeiles minor Catharus minimus Accipiter gentilis Falco peregrinus Melanerpes erythrocephalus Accipiter striatus	Scientific nameStatusAnaxyrus fowleriSCVireo solitariusSCBubulcus ibisTAccipiter cooperiiSCSetophaga citrinaSCLeiothlypis ruficapillaSCSetophaga americanaSCPandion haliaetusTHelmitheros vermivorumSCHaliaeetus leucocephalusTBubulcus ibisSCChordeiles minorSCCatharus minimusSCAccipiter gentilisSCFalco peregrinusSCMelanerpes erythrocephalusTAccipiter striatusSC



NEUTRAL change in Conservation Status for 39 Species

		Current	Proposed		C	Current	Proposed
Species	Scientific name	Status	Status	Species Land Mammals:	Scientific name	Status	Status
Amphibians:				Big Brown Bat	Eptesicus fuscus	U	SC
Eastern Spadefoot	Scaphiopus holbrookii	U	SC	Eastern Chipmunk	Tamias striatus	U	S
Four-toed Salamander	Hemidactylium scutatum	U	S	Eastern Mole	Scalopus aquaticus	U	S
Reptiles:				Eastern Red Bat	Lasiurus borealis	U	SC
Eastern Musk Turtle	Sternotherus odoratus	U	S	Northern Hoary Bat	Lasiurus cinereus	U	SC
				Cinereus shrew	Sorex cinereus	U	S
Eastern Mud Turtle	Kinosternon s. subrubrum	S	U	Meadow Jumping Mouse	Zapus hudsonius	U	SC
Eastern Ratsnake	Pantherophis alleghaniensis	U	S	Meadow Vole	Microtus pennsylvanicus	U	S
Northern Red-bellied Cooter	Pseudemys rubriventris	U	S	North American Porcupine	Erethizon dorsatum	U	S
Eastern Smooth Earthsnake	Virginia v. valeriae	U	SC	North American Red squirrel	Tamiasciurus hudsonicus	U	S
Common Five-lined Skink	Plestiodon fasciatus	U	S	Northern Short-tailed Shrew	Blarina brevicauda	U	S
Little Brown Skink	Scincella lateralis	U	SC	[Pine]Woodland Vole	Microtus pinetorum	U	S
				Silver-haired Bat	Lasioncycteris noctivagans	U	SC
Northern Black Racer	Coluber c. constrictor	U	S	Southern Red-backed Vole	Clethrionomys gapperi	U	S
Northern Red-bellied Cooter	Pseudemys rubriventris	U	S	Southern Flying Squirrel	Glaucomys Volans	U	S
Smooth Greensnake	Opheodrys vernalis	U	SC	Star-nosed Mole	Condylura cristata	U	S
Birds (breeding):				White-footed Deermouse	Peromyscus leucopus	U	S
	hunga huamalia	S	U	Marine Mammals:			
Dark-eyed Junco	Junco hyemalis			Bottlenose dolphin	Tursiops truncatus	U	SC
White-throated Sparrow	Zonotrichia albicollis	S	U	Gray Seal	Halichoerus grypus	U	S
Yellow-rumped Warbler	Setophaga coronata	S	U	Harbor porpoise	Phocoena phocoena	U	SC
The state of the s	Selophaga coronala	Б	O	Harbor seal	Phoca vitulina	U	S
Birds (nonbreeding):				Harp seal	Pagophilus groenlandicus	U	S
Eastern Whip-poor-will	Antrostomus vociferus	U	SC	Hooded seal	Cystophora cristata	U	S



REMOVAL from Nongame List for 11 Species

TO BE REMOVED FROM LIST

Species	Scientific name	Current Status	Proposed Status
Birds - nonbreeding:			
Wilson's Phalarope	Phalaropus tricolor	S	nl
Marine Mammals:			
Beluga Whale	Delphinapterus leucas	U	nl
Blainsville's Beaked Whale	Mesoplodon densirostris	U	nl
Clymene Dolphin	Stenella clymene	U	nl
Cuvier's Beaked Whale	Ziphius cavirostris	U	nl
Dwarf Sperm Whale	Kogia simus sima	U	nl
Gervais' Beaked Whale	Mesoplodon europaeus	U	nl
Killer Whale	Orcinus orca	U	nl
Melon-headed Whale	Peponocephala electra	U	nl
Pygmy Sperm Whale	Kogia breviceps	U	nl
True's Beaked Whale	Mesoplodon mirus	U	nl



Other changes





Amendments to Definitions

"List of endangered species" means the list of wildlife indigenous to New Jersey determined to meet the statutory definition of an endangered species. The list of endangered species includes species assigned a conservation status of "endangered" and species assigned a conservation status of "threatened," as defined in this section.

"List of regulated nongame species" means the list of wildlife indigenous to New Jersey that meet the statutory definition of a nongame species Species included on this list may be assigned the conservation statuses of Secure-stable (S), Special Concern (SC), or Undetermined (U).

"Threatened" (T) means the conservation status assigned to a species or subspecies of wildlife included on the list of endangered species (N.J.A.C. 7:25-4.13(b)) for which the Department has determined the prospects of survival in the State are likely within the foreseeable future to become in jeopardy.

"Indigenous" means a species of wildlife living within its natural range and regularly and predictably occurring within the State.



Listing by Notice Federal Species

* A new subsection (c) at N.J.A.C. 7:25-4.13 would address the way DEP adds species to the list of endangered species that have been added to the Federal list (ESA) but are not currently included on the State list:

Any species Federally listed as E or T pursuant to the Endangered Species Act (ESA) and indigenous to New Jersey that is not currently on the State list of endangered species shall be added by the Department to the list by Notice of Administrative Change and assigned a State conservation status equivalent to the Federal status (that is, E or T).





Timeline

> DEP will propose amendments by end of 2023

Notice of the rule proposal will be posted on the DEP website (www.nj.gov/dep/rules) with instructions on how to provide comments

> 60-day public comment period

To be added to the "Listing Rule" email notice list, please email Nongame@dep.nj.gov with your request



Input Welcome

Comments welcome!

Please email comments, questions, and suggestions to Nongame@dep.nj.gov. Use "Listing Rule" in the subject line.

