

New York State Species of Greatest Conservation Need – distribution by habitat type

Estuarine deep subtidal

American eel	Kiyi
American lobster	Laughing gull
Atlantic silverside	Long-tailed duck
Atlantic sturgeon	Menhaden
Bay anchovy	N. American ninespine stickleback
Bay scallop	Oyster
Black scoter	Oyster toadfish
Blue crab	Shortnose sturgeon
Cunner	Surf scoter
Forster's tern	Tautog
Greater scaup	White-winged scoter
Gull-billed tern	Winter flounder

Estuarine intertidal

American bittern	Little blue heron
American black duck	Marbled godwit
American eel	Mummichog
American shad	N. American ninespine stickleback
Atlantic brant	Needham's skimmer
Atlantic silverside	Piping plover
Atlantic tomcod	Purple sandpiper
Bald eagle	Rainbow smelt
Black rail	Rambur's forktail
Black-bellied plover	Red knot
Black-crowned night-heron	Ribbed mussel
Buff-breasted sandpiper	Ruddy duck
Dunlin	Ruddy turnstone
Eastern mud turtle	Saltmarsh sharp-tailed sparrow
Fiddler crab	Sanderling
Forster's tern	Seaside sparrow
Glossy ibis	Semipalmated sandpiper
Great egret	Short-billed dowitcher
Gull-billed tern	Snowy egret
Horseshoe crab	Spotfin killifish
Hudsonian godwit	Striped killifish
Inland silverside	Tricolored heron
King rail	Whimbrel
Kiyi	Willet
Laughing gull	Yellow rail
Least bittern	Yellow-crowned night-heron
Lined seahorse	

Estuarine shallow subtidal

Alewife	Laughing gull
American eel	Least tern
American lobster	Lesser scaup
American shad	Lined seahorse
Atlantic brant	Marine zooplankton
Atlantic silverside	Menhaden
Atlantic tomcod	Mummichog
Bay scallop	N. American ninespine stickleback
Black skimmer	Northern diamondback terrapin
Blue crab	Northern puffer
Blueback herring	Oyster
Common pipefish	Oyster toadfish
Cunner	Red-necked phalarope
Forster's tern	Ribbed mussel
Fourspine stickleback	Spotfin killifish
Greater scaup	Striped killifish
Gull-billed tern	Tautog
Horseshoe crab	Threespine stickleback
Inland silverside	Western pirate perch
Kiyi	Willet
	Winter flounder
	Yellow-crowned night-heron

Lacustrine coldwater

Atlantic salmon	Mossy valvata
Black sandshell	Northern map turtle
Black tern	Pied-billed grebe
Bloater	Purplecap valvata
Brook trout, Heritage strains	Red-throated loon
Common loon	Ringed emerald
Common mudpuppy	River otter
Common tern	Round whitefish
Deepwater sculpin	Sauger
Eastern sand darter	Shortjaw cisco
Greater scaup	Shortnose cisco
Horned grebe	Spatterdock darter
Kiyi	Spindle lymnaea
Lake emerald	Spoonhead sculpin
Lesser scaup	Swamp darter
Lilliput	Various mayfly sp.
Long-tailed duck	White heelsplitter

Lacustrine warmwater

American black duck
Bald eagle
Banded sunfish
Black sandshell
Blackchin shiner
Black-crowned night-heron
Buffalo pebblesnail
Campeloma spire snail
Comet darner
Deertoe
Fringed valvata
Great egret
Greater scaup
Iowa darter
Lake sturgeon
Lesser scaup
Lilliput
Little blue heron
Mantled baskettail

Midland clubtail
Mooneye
Mossy valvata
N. American ninespine stickleback
Northern harrier
Pugnose shiner
Purplecap valvata
River otter
Sauger
Snapping turtle
Spatterdock darner
Spindle lymnaea
Spiny softshell
Stinkpot
Swamp darter
Sylvan hygrotus diving beetle
Western pirate perch
White heelsplitter

Marine intertidal

American oystercatcher
Black rail
Blue mussel
Dunlin
Hard clam
Laughing gull
Lined seahorse
Piping plover
Purple sandpiper

Rainbow smelt
Red knot
Ruddy turnstone
Saltmarsh sharp-tailed sparrow
Sanderling
Seaside sparrow
Semipalmated sandpiper
Short-billed dowitcher
Willet

Marine shallow subtidal

Black skimmer
Blue crab
Clearence skate
Common eider
Common pipefish
Common tern
Cownose ray
Forster's tern
Gull-billed tern
Hard clam
Harlequin duck
Kiyi

Laughing gull
Least tern
Lined seahorse
Menhaden
N. American ninespine stickleback
Northern puffer
Ribbed mussel
Roseate tern
Roughtail stingray
Smooth hammerhead shark
Threespine stickleback
Willet

Marine deep subtidal

Alewife
American lobster
Atlantic silverside
Atlantic tomcod
Atlantic torpedo
Barndoor skate
Basking shark
Bay anchovy
Bigeye thresher shark
Black scoter
Blue crab
Blue mussel
Blue shark
Blue whale
Bonnethead shark
Clearnose skate
Common eider
Common loon
Cory's shearwater
Cownose ray
Cunner
Dusky shark
Fin whale
Forster's tern
Greater shearwater
Green turtle
Gull-billed tern
Harbor porpoise
Hard clam
Harlequin duck
Hawksbill
Horned grebe
Horseshoe crab
Humpback whale
Kemp's or Atlantic ridley
Laughing gull
Leatherback
Little skate
Loggerhead
Longfin mako shark
Long-tailed duck
Manta ray
Marine zooplankton
Menhaden
N. American ninespine stickleback
Northern puffer
Northern right whale
Porbeagle shark
Razorbill
Red-necked phalarope
Red-throated loon
Rosette skate
Roughtail stingray
Sand tiger shark
Sandbar shark
Scalloped hammerhead shark
Sei whale
Shortfin mako shark
Smooth hammerhead shark
Smooth skate
Sperm whale
Surf scoter
Tautog
Thorny skate
Thresher shark
Tiger shark
White shark
White-winged scoter
Winter flounder
Winter skate

Palustrine – peatlands

Acadian swordgrass moth
Black meadowhawk
Bog buckmoth
Bog elfin
Bog turtle
Doll's merolonche
Eastern massasauga
Ebony boghaunter
Forcipate emerald
Four-toed salamander
Henry's elfin
Hessel's hairstreak
Incurvate emerald
Jutta arctic
Mud sunfish

Pale green pinion moth
Persius duskywing
Pink sallow
Precious underwing
Regal fritillary
Ringed boghaunter
Ringed emerald
Seepage dancer
Southern sprite
Spotted turtle
Subarctic bluet
Subarctic darner
Taper-tailed darner
Toothed apharetra
Yellow-sided skimmer

Palustrine - mineral soil wetland

American bittern
American black duck
Bird dropping moth
Black meadowhawk
Black tern
Black-crowned night-heron
Blanding's turtle
Blue-spotted salamander
Blue-winged teal
Bog turtle
Coal skink
Culvers root borer
Devil crawfish
Dunlin
Eastern massasauga
Eastern mud turtle
Eastern spadefoot
Fowler's toad
Glossy ibis
Golden-winged warbler
Great egret
Greater yellowlegs
Henry's elfin
Hessel's hairstreak
Hudsonian godwit
Jefferson salamander
King rail
Lance aplexa
Least bittern
Marbled salamander
Needham's skimmer

New England bluet
Northern cricket frog
Northern harrier
Northern pintail
Northern red salamander
Ostrich fern borer moth
Persius duskywing
Pied-billed grebe
Precious underwing
Prothonotary warbler
Queen snake
Rambur's forktail
Red-shouldered hawk
Regal fritillary
Ruddy duck
Rusty blackbird
Seaside golden borer moth
Sedge wren
Seepage dancer
Semipalmated sandpiper
Short-eared owl
Snowy egret
Southern leopard frog
Spotted turtle
Sylvan hygrotus diving beetle
Taper-tailed darner
Tiger salamander
Tomah mayfly
Western chorus frog
Yellow rail

Riverine – coastal plain stream

Alewife
American bittern
American eel
Black-crowned night-heron
Brook trout, Heritage strains

Little blue heron
Rainbow smelt
Snowy egret
Tidewater mucket
Tricolored heron

Riverine – coldwater stream

American rubyspot
Appalachian jewelwing
Arrow clubtail
Arrowhead spiketail
Atlantic salmon
Black sandshell
Boreal snaketail
Brook floater
Brook snaketail
Brook trout, Heritage strains
Common mudpuppy
Common sanddragon
Devil crawfish
Dwarf wedgemussel
Eastern pearlshell
Eastern sand darter
Elktoe
Extra-striped snaketail
Gilt darter
Gray petaltail
Green floater
Green-faced clubtail
Hellbender
Kidneyshell
Lake chubsucker
Lilliput
Longtail salamander
Mocha emerald
Mountain brook lamprey
Mucket
Mud sunfish
Northern map turtle
Northern red salamander

Ocellated emerald
Ohio lamprey
Paddlefish
Paper pondshell
Pink heelsplitter
Pocketbook
Pygmy snaketail
Queen snake
Rainbow mussel
Rapids clubtail
Rayed bean
River otter
Sable clubtail
Salamander mussel
Sauger
Septima's clubtail
Silver chub
Skillet clubtail
Slippershell mussel
Snuffbox
Sparkling jewelwing
Spine-crowned clubtail
Swamp darter
Threeridge mussel
Tiger spiketail
Tomah mayfly
Various mayfly and stonefly sp.
Wabash pigtoe
Watercress snail
Wavyrayed lampmussel
White heelsplitter
Wood turtle
Yellow lamp mussel

Riverine – deepwater river

Alewife
Alewife floater
American eel
American shad
Bald eagle
Bonaparte's gull
Brook floater
Common loon
Deertoe
Eastern pondmussel
Elktoe
Elusive clubtail
Fat pocketbook
Fawnsfoot
Hickorynut
Ironcolor shiner
Kidneyshell
Little gull
Mapleleaf

Mossy valvata
Mucket
Paddlefish
Paper pondshell
Pink mucket
Pocketbook
Rainbow mussel
Riverine clubtail
Round pigtoe
Russet-tipped clubtail
Salamander mussel
Sauger
Sheepnose
Slippershell mussel
Spiny softshell
Thayer's gull
Threeridge mussel
Tubercled blossom
Yellow sandshell

Riverine – warmwater stream

Alewife
American black duck
American rubyspot
Arrow clubtail
Bald eagle
Black redhorse
Black sandshell
Blackchin shiner
Blueback herring
Bluebreast darter
Blue-tipped dancer
Brook floater
Campeloma spire snail
Clubshell
Cobra clubtail
Comely shiner
Common mudpuppy
Eastern ribbonsnake
Elktoe
Elusive clubtail
Gravel chub
Great egret
Green floater
Kidneyshell
Lake sturgeon
Lilliput
Longear sunfish

Longhead darter
Midland clubtail
Mucket
Paper pondshell
Pink heelsplitter
Pocketbook
Rainbow mussel
Rayed bean
Redfin shiner
River redhorse
Riverine clubtail
Round hickorynut
Russet-tipped clubtail
Salamander mussel
Sauger
Skillet clubtail
Slippershell mussel
Sparkling jewelwing
Spotted darter
Streamline chub
Swallowtail shiner
Swamp darter
Threeridge mussel
Wavyrayed lampmussel
Western pirate perch
White heelsplitter
Yellow lamp mussel

Subterranean

Coastal barrens buckmoth
Devil crawfish
Indiana bat

Pale green pinion moth
Piedmont groundwater amphipod

Terrestrial – alpine/ mountain

Allegheny woodrat
American marten
Canada lynx
Golden eagle

Jutta arctic
Northern goshawk
Peregrine falcon

Terrestrial – barrens/woodlands

Acadian swordgrass moth
American burying beetle
Arogos skipper
Barrens buck moth
Barrens dagger moth
Barrens itame
Barrens metarranthis moth
Bird dropping moth
Blue-spotted salamander
Brazilian skipper
Broad-lined catopyrrha
Brown-bordered geometer
Buchholz's gray
Checkered white
Coal skink
Coastal barrens buckmoth
Coastal heathland cutworm
Culvers root borer
Dark stoneroot borer moth
Dickcissel
Doll's merolonche
Eastern box turtle
Eastern hognose snake
Eastern ribbonsnake
Fowler's toad
Frosted elfin
Golden aster flower moth
Gordian sphinx
Gorgone checkerspot
Gray woodgrain
Hairy artesta
Henry's elfin
Herodias underwing
Imperial moth
Jair underwing

Jefferson salamander
Jersey jair underwing
Jutta arctic
Karner blue
Marbled salamander
Maritime sunflower borer moth
Maroonwing
Melsheimer's sack bearer
Mottled duskywing
Northern bobwhite
Northern metalmark
Northern oak hairstreak
Olympia marble
Osprey
Pale green pinion moth
Persius duskywing
Phyllira tiger moth
Pine barrens zanclognatha
Pink sallow
Quiet or sweet underwing
Regal fritillary
Silvery blue
Southern grizzled skipper
Tawny crescent
The consort underwing
Tiger salamander
Timber rattlesnake
Toothed apharetra
Variable sallow
Various moth sp.
Whip-poor-will
Woolly gray
Worm snake
Yellow stoneroot borer

Terrestrial – forested

American burying beetle
American marten
American woodcock
Bald eagle
Barn owl
Barrens dagger moth
Barrens metarranthis moth
Bay underwing
Bay-breasted warbler
Bicknell's thrush
Bird dropping moth
Black ratsnake
Black-billed cuckoo
Black-crowned night-heron
Black-throated blue warbler
Blanding's turtle
Blue-spotted salamander
Brown thrasher
Canada warbler
Cape May warbler
Cerulean warbler
Common five-lined skink
Cooper's hawk
Culvers root borer
Dark stoneroot borer moth
Eastern red bat
Eastern ribbonsnake
Fence lizard
Four-toed salamander
Fowler's toad
Golden eagle
Great egret
Henry's elfin
Hoary bat
Imperial moth
Indiana bat
Jefferson salamander
Kentucky warbler
Least weasel
Long-eared owl
Longtail salamander
Louisiana waterthrush
Marbled salamander
New England cottontail
Northern black racer
Northern copperhead
Northern cricket frog
Northern goshawk
Northern metalmark
Northern red salamander
Olive-sided flycatcher
Ostrich fern borer moth
Prairie warbler
Precious underwing
Queen snake
Quiet or sweet underwing
Red-headed woodpecker
Red-shouldered hawk
Ruffed grouse
Rusty blackbird
Scarlet tanager
Sharp-shinned hawk
Short-headed gartersnake
Silver-haired bat
Silvery blue
Smooth greensnake
Southern grizzled skipper
Southern leopard frog
Spotted turtle
Spruce grouse
Tennessee warbler
Three-toed woodpecker
Timber rattlesnake
Variable sallow
Western chorus frog
Wood thrush
Wood turtle
Worm-eating warbler
Yellow stoneroot borer

Terrestrial – open upland

American bittern
American burying beetle
American golden-plover
American woodcock
Atlantic brant
Aweme borer moth
Barn owl
Black ratsnake
Blanding's turtle
Blue-winged teal
Blue-winged warbler
Bobolink
Broad-lined catopyrrha
Brown thrasher
Brown-bordered geometer
Buff-breasted sandpiper
Cattle egret
Checkered white
Cobblestone tiger beetle
Common five-lined skink
Common nighthawk
Culvers root borer
Dickcissel
Eastern hognose snake
Eastern massasauga
Eastern meadowlark
Eastern mud turtle
Eastern ribbonsnake
Fence lizard
Fowler's toad
Glossy ibis
Golden eagle
Golden-winged warbler
Gordian sphinx
Gorgone checkerspot
Grasshopper sparrow
Great egret
Henslow's sparrow
Herodias underwing
Horned lark
Karner blue
Least shrew
Least weasel
Loggerhead shrike
Long-eared owl
Maritime sunflower borer moth
Mottled duskywing
Northern black racer
Northern bobwhite
Northern harrier
Northern map turtle
Northern pintail
Olympia marble
Osprey
Peregrine falcon
Queen snake
Red-headed woodpecker
Regal fritillary
Sedge wren
Short-eared owl
Short-headed gartersnake
Small-footed bat
Smooth greensnake
Snapping turtle
Southern grizzled skipper
Southern leopard frog
Spiny softshell
Spotted turtle
Stinkpot
Tawny crescent
Timber rattlesnake
Upland sandpiper
Vesper sparrow
Western chorus frog
Willow flycatcher
Wood turtle
Yellow-breasted chat