

Appendix B: Environmental


June 30, 2022

PREPARED FOR:



PREPARED BY:



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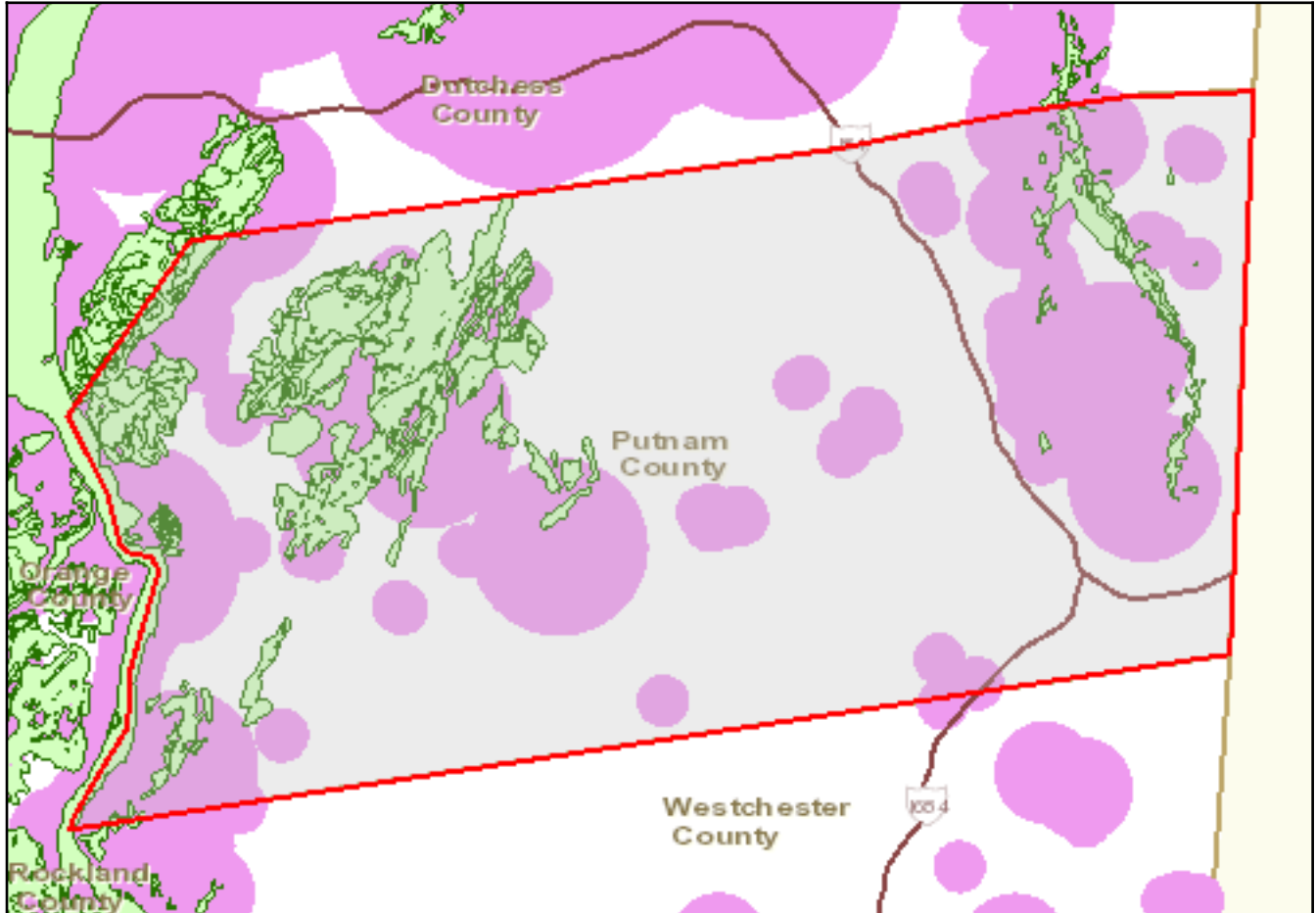
 Responsive Translation

New York Nature Explorer

Southeast to Danbury

Putnam County Feasibility Study

Criteria: County: Putnam



Common Name	Subgroup	Distribution Status	Year Last Documente	Protection Status		Conservation Rank	
				State	Federal	State	Global

County: Putnam

Animal: Mammals

Eastern Small-footed Myotis <i>Myotis leibii</i>	Bats	Recently Confirmed	2011	Special Concern		S1S3	G4
Indiana Bat <i>Myotis sodalis</i>	Bats	Recently Confirmed	2017	Endangered		S1	G2
New England Cottontail <i>Sylvilagus transitionalis</i>	Rabbits and Hares	Recently Confirmed	2019	Special Concern		S1S2	G3

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Common Name	Subgroup	Distribution Status	Year Last Documente	Protection Status		Conservation Rank	
				State	Federal	State	Global
Northern Long-eared Bat <i>Myotis septentrionalis</i>	Bats	Recently Confirmed	2009	Threatened		S1	G2G3
Silver-haired Bat <i>Lasiorycteris noctivagans</i>	Bats	Historically Confirmed				S2S3B	G3G4
Tri-colored Bat <i>Perimyotis subflavus</i>	Bats	Recently Confirmed	2018			S1	G3G4

Animal: Birds

Acadian Flycatcher <i>Empidonax vireescens</i>	Flycatchers	Recently Confirmed	2000-2005	Protected Bird		S3B	G5
Alder Flycatcher <i>Empidonax alnorum</i>	Flycatchers	Recently Confirmed	2000-2005	Protected Bird		S5B	G5
American Black Duck <i>Anas rubripes</i>	Ducks, Geese, Waterfowl	Recently Confirmed	2000-2005	Protected Bird - Game with open season		S3B,SNRN	G5
American Crow <i>Corvus brachyrhynchos</i>	Crows and Jays	Recently Confirmed	2000-2005	Protected Bird - Game with open season		S5	G5
American Goldfinch <i>Spinus tristis</i>	Finches and Crossbills	Recently Confirmed	2000-2005	Protected Bird		S5	G5
American Kestrel <i>Falco sparverius</i>	Hawks, Falcons, Eagles, Vultures	Recently Confirmed	2000-2005	Protected Bird		S5B	G5
American Redstart <i>Setophaga ruticilla</i>	Wood-Warblers	Recently Confirmed	2000-2005	Protected Bird		S5B	G5
American Robin <i>Turdus migratorius</i>	Thrushes and Bluebirds	Recently Confirmed	2000-2005	Protected Bird		S5B	G5
American Woodcock <i>Scolopax minor</i>	Gulls, Terns, Plovers, Shorebirds	Recently Confirmed	2000-2005	Protected Bird - Game with open season		S5B	G5
Bald Eagle <i>Haliaeetus leucocephalus</i>	Hawks, Falcons, Eagles, Vultures	Recently Confirmed	2020	Threatened		S2S3B,S2N	G5
Baltimore Oriole <i>Icterus galbula</i>	Blackbirds and Orioles	Recently Confirmed	2000-2005	Protected Bird		S5B	G5
Bank Swallow <i>Riparia riparia</i>	Swallows	Recently Confirmed	2000-2005	Protected Bird		S5B	G5

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Common Name	Subgroup	Distribution Status	Year Last Documente	Protection Status		Conservation Rank	
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Barn Owl <i>Tyto alba</i>	Owls	Recently Confirmed		Protected Bird		S1S2	G5
Barn Swallow <i>Hirundo rustica</i>	Swallows	Recently Confirmed	2000-2005	Protected Bird		S5B	G5
Barred Owl <i>Strix varia</i>	Owls	Recently Confirmed	2000-2005	Protected Bird		S5	G5
Belted Kingfisher <i>Megaceryle alcyon</i>	Kingfishers	Recently Confirmed	2000-2005	Protected Bird		S5	G5
Black Vulture <i>Coragyps atratus</i>	Hawks, Falcons, Eagles, Vultures	Recently Confirmed	2000-2005	Protected Bird		S3B	G5
Black-and-white Warbler <i>Mniotilta varia</i>	Wood-Warblers	Recently Confirmed	2000-2005	Protected Bird		S5B	G5
Black-billed Cuckoo <i>Coccyzus erythrophthalmus</i>	Cuckoos	Recently Confirmed	2000-2005	Protected Bird		S5B	G5
Black-capped Chickadee <i>Poecile atricapillus</i>	Chickadees and Titmice	Recently Confirmed	2000-2005	Protected Bird		S5	G5
Black-throated Blue Warbler <i>Setophaga caerulescens</i>	Wood-Warblers	Recently Confirmed	2000-2005	Protected Bird		S5B	G5
Black-throated Green Warbler <i>Setophaga virens</i>	Wood-Warblers	Recently Confirmed	2000-2005	Protected Bird		S5B	G5
Blackburnian Warbler <i>Setophaga fusca</i>	Wood-Warblers	Recently Confirmed	2000-2005	Protected Bird		S5B	G5
Blue Jay <i>Cyanocitta cristata</i>	Crows and Jays	Recently Confirmed	2000-2005	Protected Bird		S5	G5
Blue-gray Gnatcatcher <i>Poliptila caerulea</i>	Gnatcatchers	Recently Confirmed	2000-2005	Protected Bird		S5	G5
Blue-headed Vireo <i>Vireo solitarius</i>	Vireos	Recently Confirmed	2000-2005	Protected Bird		S5B	G5
Blue-winged Warbler <i>Vermivora cyanoptera</i>	Wood-Warblers	Recently Confirmed	2000-2005	Protected Bird		S5B	G5
Bobolink <i>Dolichonyx oryzivorus</i>	Blackbirds and Orioles	Recently Confirmed	2000-2005	Protected Bird		S5B	G5

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Brewster's Warbler <i>Vermivora cyanoptera x chrysoptera</i>	Wood-Warblers	Recently Confirmed	2000-2005	Protected Bird		SNA	GNA
Broad-winged Hawk <i>Buteo platypterus</i>	Hawks, Falcons, Eagles, Vultures	Recently Confirmed	2000-2005	Protected Bird		S5B	G5
Brown Creeper <i>Certhia americana</i>	Creepers	Recently Confirmed	2000-2005	Protected Bird		S5	G5
Brown Thrasher <i>Toxostoma rufum</i>	Mockingbirds and Thrashers	Recently Confirmed	2000-2005	Protected Bird		S3S4B	G5
Brown-headed Cowbird <i>Molothrus ater</i>	Blackbirds and Orioles	Recently Confirmed	2000-2005	Protected Bird		S5B	G5
Canada Goose <i>Branta canadensis</i>	Ducks, Geese, Waterfowl	Recently Confirmed	2000-2005	Protected Bird - Game with open season		S5	G5
Canada Warbler <i>Cardellina canadensis</i>	Wood-Warblers	Recently Confirmed	2000-2005	Protected Bird		S5B	G5
Carolina Wren <i>Thryothorus ludovicianus</i>	Wrens	Recently Confirmed	2000-2005	Protected Bird		S5	G5
Cedar Waxwing <i>Bombycilla cedrorum</i>	Waxwings	Recently Confirmed	2000-2005	Protected Bird		S5B	G5
Cerulean Warbler <i>Setophaga cerulea</i>	Wood-Warblers	Recently Confirmed	2000-2005	Special Concern		S3?B	G4
Chestnut-sided Warbler <i>Setophaga pensylvanica</i>	Wood-Warblers	Recently Confirmed	2000-2005	Protected Bird		S5B	G5
Chimney Swift <i>Chaetura pelagica</i>	Hummingbirds and Swifts	Recently Confirmed	2000-2005	Protected Bird		S5B	G4G5
Chipping Sparrow <i>Spizella passerina</i>	Sparrows and Towhees	Recently Confirmed	2000-2005	Protected Bird		S5B	G5
Cliff Swallow <i>Petrochelidon pyrrhonota</i>	Swallows	Recently Confirmed	2000-2005	Protected Bird		S5B	G5
Common Grackle <i>Quiscalus quiscula</i>	Blackbirds and Orioles	Recently Confirmed	2000-2005	Protected Bird		S5B	G5
Common Merganser <i>Mergus merganser</i>	Ducks, Geese, Waterfowl	Recently Confirmed	2000-2005	Protected Bird - Game with open season		S5	G5

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Common Nighthawk <i>Chordeiles minor</i>	Nightbirds	Historically Confirmed		Special Concern		S2S3B	G5
Common Raven <i>Corvus corax</i>	Crows and Jays	Recently Confirmed	2000-2005	Protected Bird		S4	G5
Common Yellowthroat <i>Geothlypis trichas</i>	Wood-Warblers	Recently Confirmed	2000-2005	Protected Bird		S5B	G5
Cooper's Hawk <i>Accipiter cooperii</i>	Hawks, Falcons, Eagles, Vultures	Recently Confirmed	2000-2005	Special Concern		S4	G5
Dark-eyed Junco <i>Junco hyemalis</i>	Sparrows and Towhees	Recently Confirmed	2000-2005	Protected Bird		S5B	G5
Double-crested Cormorant <i>Phalacrocorax auritus</i>	Cormorants	Recently Confirmed	2000-2005	Protected Bird		S3	G5
Downy Woodpecker <i>Picoides pubescens</i>	Woodpeckers	Recently Confirmed	2000-2005	Protected Bird		S5	G5
Eastern Bluebird <i>Sialia sialis</i>	Thrushes and Bluebirds	Recently Confirmed	2000-2005	Protected Bird		S5B	G5
Eastern Kingbird <i>Tyrannus tyrannus</i>	Flycatchers	Recently Confirmed	2000-2005	Protected Bird		S5B	G5
Eastern Meadowlark <i>Sturnella magna</i>	Blackbirds and Orioles	Recently Confirmed	2000-2005	Protected Bird		S5B	G5
Eastern Phoebe <i>Sayornis phoebe</i>	Flycatchers	Recently Confirmed	2000-2005	Protected Bird		S5B	G5
Eastern Screech-Owl <i>Megascops asio</i>	Owls	Recently Confirmed	2000-2005	Protected Bird		S5	G5
Eastern Towhee <i>Pipilo erythrophthalmus</i>	Sparrows and Towhees	Recently Confirmed	2000-2005	Protected Bird		S5B	G5
Eastern Wood-Pewee <i>Contopus virens</i>	Flycatchers	Recently Confirmed	2000-2005	Protected Bird		S5B	G5
European Starling <i>Sturnus vulgaris</i>	Starlings	Recently Confirmed	2000-2005			SNA	G5
Field Sparrow <i>Spizella pusilla</i>	Sparrows and Towhees	Recently Confirmed	2000-2005	Protected Bird		S5B	G5

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Fish Crow <i>Corvus ossifragus</i>	Crows and Jays	Recently Confirmed	2000-2005	Protected Bird - Game with open season		S4	G5
Gray Catbird <i>Dumetella carolinensis</i>	Mockingbirds and Thrashers	Recently Confirmed	2000-2005	Protected Bird		S5B	G5
Great Blue Heron <i>Ardea herodias</i>	Hérons, Bitterns, Egrets, Pelicans	Recently Confirmed	2000-2005	Protected Bird		S5	G5
Great Crested Flycatcher <i>Myiarchus crinitus</i>	Flycatchers	Recently Confirmed	2000-2005	Protected Bird		S5B	G5
Great Horned Owl <i>Bubo virginianus</i>	Owls	Recently Confirmed	2000-2005	Protected Bird		S5	G5
Green Heron <i>Butorides virescens</i>	Hérons, Bitterns, Egrets, Pelicans	Recently Confirmed	2000-2005	Protected Bird		S5	G5
Hairy Woodpecker <i>Picoides villosus</i>	Woodpeckers	Recently Confirmed	2000-2005	Protected Bird		S5	G5
Hermit Thrush <i>Catharus guttatus</i>	Thrushes and Bluebirds	Recently Confirmed	2000-2005	Protected Bird		S5B	G5
Hooded Warbler <i>Setophaga citrina</i>	Wood-Warblers	Recently Confirmed	2000-2005	Protected Bird		S5B	G5
House Finch <i>Haemorhous mexicanus</i>	Finches and Crossbills	Recently Confirmed	2000-2005	Protected Bird		SNA	G5
House Sparrow <i>Passer domesticus</i>	Old World Sparrows	Recently Confirmed	2000-2005			SNA	G5
House Wren <i>Troglodytes aedon</i>	Wrens	Recently Confirmed	2000-2005	Protected Bird		S5	G5
Indigo Bunting <i>Passerina cyanea</i>	Cardinals and Buntings	Recently Confirmed	2000-2005	Protected Bird		S5B	G5
Kentucky Warbler <i>Geothlypis formosa</i>	Wood-Warblers	Recently Confirmed	1984	Protected Bird		S2B	G5
Killdeer <i>Charadrius vociferus</i>	Gulls, Terns, Plovers, Shorebirds	Recently Confirmed	2000-2005	Protected Bird		S5	G5
Least Bittern <i>Ixobrychus exilis</i>	Hérons, Bitterns, Egrets, Pelicans	Recently Confirmed	2020	Threatened		S3B,S1N	G4G5

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Least Flycatcher <i>Empidonax minimus</i>	Flycatchers	Recently Confirmed	2000-2005	Protected Bird		S5B	G5
Louisiana Waterthrush <i>Parkesia motacilla</i>	Wood-Warblers	Recently Confirmed	2000-2005	Protected Bird		S5B	G5
Magnolia Warbler <i>Setophaga magnolia</i>	Wood-Warblers	Recently Confirmed	2000-2005	Protected Bird		S5B	G5
Mallard <i>Anas platyrhynchos</i>	Ducks, Geese, Waterfowl	Recently Confirmed	2000-2005	Protected Bird - Game with open season		S5	G5
Mallard x Am. Black Duck Hybrid <i>Anas platyrhynchos x rubripes</i>	Ducks, Geese, Waterfowl	Recently Confirmed	2000-2005	Protected Bird - Game with open season		SNA	GNA
Marsh Wren <i>Cistothorus palustris</i>	Wrens	Recently Confirmed	2000-2005	Protected Bird		S5	G5
Mourning Dove <i>Zenaida macroura</i>	Pigeons and Doves	Recently Confirmed	2000-2005	Protected Bird		S5	G5
Mute Swan <i>Cygnus olor</i>	Ducks, Geese, Waterfowl	Recently Confirmed	2000-2005	Protected Bird		SNA	G5
Northern Cardinal <i>Cardinalis cardinalis</i>	Cardinals and Buntings	Recently Confirmed	2000-2005	Protected Bird		S5	G5
Northern Flicker <i>Colaptes auratus</i>	Woodpeckers	Recently Confirmed	2000-2005	Protected Bird		S5	G5
Northern Goshawk <i>Accipiter gentilis</i>	Hawks, Falcons, Eagles, Vultures	Recently Confirmed	2000-2005	Special Concern		S3S4B,S3N	G5
Northern Mockingbird <i>Mimus polyglottos</i>	Mockingbirds and Thrashers	Recently Confirmed	2000-2005	Protected Bird		S5B	G5
Northern Parula <i>Setophaga americana</i>	Wood-Warblers	Recently Confirmed	2000-2005	Protected Bird		S3S4B	G5
Northern Rough-winged Swallow <i>Stelgidopteryx serripennis</i>	Swallows	Recently Confirmed	2000-2005	Protected Bird		S5B	G5
Northern Waterthrush <i>Parkesia noveboracensis</i>	Wood-Warblers	Recently Confirmed	2000-2005	Protected Bird		S5B	G5
Orchard Oriole <i>Icterus spurius</i>	Blackbirds and Orioles	Recently Confirmed	2000-2005	Protected Bird		S4B	G5

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Osprey <i>Pandion haliaetus</i>	Hawks, Falcons, Eagles, Vultures	Recently Confirmed	2000-2005	Special Concern		S4B	G5
Ovenbird <i>Seiurus aurocapilla</i>	Wood-Warblers	Recently Confirmed	2000-2005	Protected Bird		S5B	G5
Peregrine Falcon <i>Falco peregrinus</i>	Hawks, Falcons, Eagles, Vultures	Recently Confirmed	2009	Endangered		S3B	G4
Pileated Woodpecker <i>Dryocopus pileatus</i>	Woodpeckers	Recently Confirmed	2000-2005	Protected Bird		S5	G5
Pine Warbler <i>Setophaga pinus</i>	Wood-Warblers	Recently Confirmed	2000-2005	Protected Bird		S5B	G5
Prairie Warbler <i>Setophaga discolor</i>	Wood-Warblers	Recently Confirmed	2000-2005	Protected Bird		S5B	G5
Purple Finch <i>Haemorhous purpureus</i>	Finches and Crossbills	Recently Confirmed	2000-2005	Protected Bird		S5	G5
Purple Martin <i>Progne subis</i>	Swallows	Recently Confirmed	2000-2005	Protected Bird		S4B	G5
Red-bellied Woodpecker <i>Melanerpes carolinus</i>	Woodpeckers	Recently Confirmed	2000-2005	Protected Bird		S5	G5
Red-eyed Vireo <i>Vireo olivaceus</i>	Vireos	Recently Confirmed	2000-2005	Protected Bird		S5B	G5
Red-headed Woodpecker <i>Melanerpes erythrocephalus</i>	Woodpeckers	Recently Confirmed	2000-2005	Special Concern		S2?B	G5
Red-shouldered Hawk <i>Buteo lineatus</i>	Hawks, Falcons, Eagles, Vultures	Recently Confirmed	2000-2005	Special Concern		S4B	G5
Red-tailed Hawk <i>Buteo jamaicensis</i>	Hawks, Falcons, Eagles, Vultures	Recently Confirmed	2000-2005	Protected Bird		S5	G5
Red-winged Blackbird <i>Agelaius phoeniceus</i>	Blackbirds and Orioles	Recently Confirmed	2000-2005	Protected Bird		S5B	G5
Rock Pigeon <i>Columba livia</i>	Pigeons and Doves	Recently Confirmed	2000-2005			SNA	G5
Rose-breasted Grosbeak <i>Pheucticus ludovicianus</i>	Cardinals and Buntings	Recently Confirmed	2000-2005	Protected Bird		S5B	G5

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Ruby-throated Hummingbird <i>Archilochus colubris</i>	Hummingbirds and Swifts	Recently Confirmed	2000-2005	Protected Bird		S5B	G5
Ruffed Grouse <i>Bonasa umbellus</i>	Grouse, Pheasants, Turkeys	Recently Confirmed	2000-2005	Protected Bird - Game with open season		S5	G5
Scarlet Tanager <i>Piranga olivacea</i>	Cardinals and Buntings	Recently Confirmed	2000-2005	Protected Bird		S5B	G5
Sharp-shinned Hawk <i>Accipiter striatus</i>	Hawks, Falcons, Eagles, Vultures	Recently Confirmed	2000-2005	Special Concern		S4	G5
Song Sparrow <i>Melospiza melodia</i>	Sparrows and Towhees	Recently Confirmed	2000-2005	Protected Bird		S5B	G5
Spotted Sandpiper <i>Actitis macularius</i>	Gulls, Terns, Plovers, Shorebirds	Recently Confirmed	2000-2005	Protected Bird		S5B	G5
Swainson's Thrush <i>Catharus ustulatus</i>	Thrushes and Bluebirds	Recently Confirmed	2000-2005	Protected Bird		S5B	G5
Swamp Sparrow <i>Melospiza georgiana</i>	Sparrows and Towhees	Recently Confirmed	2000-2005	Protected Bird		S5B	G5
Tree Swallow <i>Tachycineta bicolor</i>	Swallows	Recently Confirmed	2000-2005	Protected Bird		S5B	G5
Tufted Titmouse <i>Baeolophus bicolor</i>	Chickadees and Titmice	Recently Confirmed	2000-2005	Protected Bird		S5	G5
Turkey Vulture <i>Cathartes aura</i>	Hawks, Falcons, Eagles, Vultures	Recently Confirmed	2000-2005	Protected Bird		S4B	G5
Veery <i>Catharus fuscescens</i>	Thrushes and Bluebirds	Recently Confirmed	2000-2005	Protected Bird		S5B	G5
Virginia Rail <i>Rallus limicola</i>	Rails, Coots and Cranes	Recently Confirmed	2000-2005	Protected Bird - Game with open season		S5	G5
Warbling Vireo <i>Vireo gilvus</i>	Vireos	Recently Confirmed	2000-2005	Protected Bird		S5B	G5
Whip-poor-will <i>Antrostomus vociferus</i>	Nightbirds	Recently Confirmed	2000-2005	Special Concern		S3B	G5
White-breasted Nuthatch <i>Sitta carolinensis</i>	Nuthatches	Recently Confirmed	2000-2005	Protected Bird		S5	G5

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White-eyed Vireo <i>Vireo griseus</i>	Vireos	Recently Confirmed	2000-2005	Protected Bird		S4B	G5
White-throated Sparrow <i>Zonotrichia albicollis</i>	Sparrows and Towhees	Recently Confirmed	2000-2005	Protected Bird		S5B	G5
Wild Turkey <i>Meleagris gallopavo</i>	Grouse, Pheasants, Turkeys	Recently Confirmed	2000-2005	Protected Bird - Game with open season		S5	G5
Willow Flycatcher <i>Empidonax traillii</i>	Flycatchers	Recently Confirmed	2000-2005	Protected Bird		S5B	G5
Winter Wren <i>Troglodytes hiemalis</i>	Wrens	Recently Confirmed	2000-2005	Protected Bird		S5	G5
Wood Duck <i>Aix sponsa</i>	Ducks, Geese, Waterfowl	Recently Confirmed	2000-2005	Protected Bird - Game with open season		S5	G5
Wood Thrush <i>Hylocichla mustelina</i>	Thrushes and Bluebirds	Recently Confirmed	2000-2005	Protected Bird		S5B	G4
Worm-eating Warbler <i>Helmitheros vermivorum</i>	Wood-Warblers	Recently Confirmed	2000-2005	Protected Bird		S4B	G5
Yellow Warbler <i>Setophaga petechia</i>	Wood-Warblers	Recently Confirmed	2000-2005	Protected Bird		S5B	G5
Yellow-bellied Sapsucker <i>Sphyrapicus varius</i>	Woodpeckers	Recently Confirmed	2000-2005	Protected Bird		S5B	G5
Yellow-billed Cuckoo <i>Coccyzus americanus</i>	Cuckoos	Recently Confirmed	2000-2005	Protected Bird		S5B	G5
Yellow-throated Vireo <i>Vireo flavifrons</i>	Vireos	Recently Confirmed	2000-2005	Protected Bird		S5B	G5

Animal: Reptiles

Common Gartersnake <i>Thamnophis sirtalis</i>	Snakes	Recently Confirmed	1990-1999	Game with no open season		S5	G5
Copperhead <i>Agkistrodon contortrix</i>	Snakes	Recently Confirmed	1990-1999	Game with no open season		S3	G5
Eastern Hog-nosed Snake <i>Heterodon platirhinos</i>	Snakes	Recently Confirmed	1990-1999	Special Concern		S3	G5

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Eastern Ratsnake <i>Pantherophis spiloides</i>	Snakes	Recently Confirmed	1990-1999	Game with no open season		S4	G4G5
Eastern Wormsnake <i>Carphophis amoenus</i>	Snakes	Recently Confirmed	2016	Special Concern		S2	G5
Fence Lizard <i>Sceloporus undulatus</i>	Lizards	Recently Confirmed	2020	Threatened		S1	G5
Five-lined Skink <i>Plestiodon fasciatus</i>	Lizards	Recently Confirmed	1990-1999	Game with no open season		S3S4	G5
Milksnake <i>Lampropeltis triangulum</i>	Snakes	Recently Confirmed	1990-1999	Game with no open season		S5	G5
Northern Watersnake <i>Nerodia sipedon</i>	Snakes	Recently Confirmed	1990-1999	Game with no open season		S5	G5
Racer <i>Coluber constrictor</i>	Snakes	Recently Confirmed	1990-1999	Game with no open season		S4	G5
Ring-necked Snake <i>Diadophis punctatus</i>	Snakes	Recently Confirmed	1990-1999	Game with no open season		S5	G5
Smooth Green Snake <i>Opheodrys vernalis</i>	Snakes	Recently Confirmed	1990-1999	Game with no open season		S4	G5
Timber Rattlesnake <i>Crotalus horridus</i>	Snakes	Recently Confirmed	2017	Threatened		S3	G4

Animal: Amphibians

American Toad <i>Anaxyrus americanus</i>	Frogs and Toads	Recently Confirmed	1990-1999	Game with open season		S5	G5
Atlantic Coast Leopard Frog <i>Lithobates kauffeldi</i>	Frogs and Toads	Recently Confirmed	2010			S1S2	G3G4
Blue-spotted Salamander <i>Ambystoma laterale</i>	Salamanders	Recently Confirmed	1990-1999	Special Concern		S3	G5
Bullfrog <i>Lithobates catesbeianus</i>	Frogs and Toads	Recently Confirmed	1990-1999	Game with open season		S5	G5
Dusky Salamander <i>Desmognathus fuscus</i>	Salamanders	Recently Confirmed	1990-1999	Game with no open season		S5	G5

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				State	Federal	State	Global
Eastern Newt <i>Notophthalmus viridescens</i>	Salamanders	Recently Confirmed	1990-1999	Game with no open season		S5	G5
Four-toed Salamander <i>Hemidactylium scutatum</i>	Salamanders	Recently Confirmed	1990-1999	Game with no open season		S4	G5
Fowler's Toad <i>Anaxyrus fowleri</i>	Frogs and Toads	Recently Confirmed	1990-1999	Game with open season		S4	G5
Gray Treefrog <i>Hyla versicolor</i>	Frogs and Toads	Recently Confirmed	1990-1999	Game with open season		S5	G5
Green Frog <i>Lithobates clamitans</i>	Frogs and Toads	Recently Confirmed	1990-1999	Game with open season		S5	G5
Jefferson Salamander <i>Ambystoma jeffersonianum</i>	Salamanders	Recently Confirmed	1990-1999	Special Concern		S4	G4
Jefferson Salamander Complex <i>Ambystoma jeffersonianum x laterale</i>	Salamanders	Recently Confirmed	1990-1999	Game with no open season		SNA	GU
Marbled Salamander <i>Ambystoma opacum</i>	Salamanders	Recently Confirmed	1990-1999	Special Concern		S3	G5
Northern Leopard Frog <i>Lithobates pipiens</i>	Frogs and Toads	Recently Confirmed	1990-1999	Game with open season		S5	G5
Northern Slimy Salamander <i>Plethodon glutinosus</i>	Salamanders	Recently Confirmed	1990-1999	Game with no open season		S5	G5
Northern Two-lined Salamander <i>Eurycea bislineata</i>	Salamanders	Recently Confirmed	1990-1999	Game with no open season		S5	G5
Pickerel Frog <i>Lithobates palustris</i>	Frogs and Toads	Recently Confirmed	1990-1999	Game with open season		S5	G5
Redback Salamander <i>Plethodon cinereus</i>	Salamanders	Recently Confirmed	1990-1999	Game with no open season		S5	G5
Spotted Salamander <i>Ambystoma maculatum</i>	Salamanders	Recently Confirmed	1990-1999	Game with no open season		S5	G5
Spring Peeper <i>Pseudacris crucifer</i>	Frogs and Toads	Recently Confirmed	1990-1999	Game with open season		S5	G5
Wood Frog <i>Lithobates sylvaticus</i>	Frogs and Toads	Recently Confirmed	1990-1999	Game with open season		S5	G5

New York Nature Explorer

Common Name	Subgroup	Distribution Status	Year Last Documente	Protection Status		Conservation Rank	
				State	Federal	State	Global

Animal: Fish

Atlantic Needlefish <i>Strongylura marina</i>	Needlefishes	Recently Confirmed	1992			S2S3	G5
Atlantic Silverside <i>Menidia menidia</i>	Silversides	Recently Confirmed	1992			S2S3	G5
Atlantic Sturgeon <i>Acipenser oxyrinchus</i>	Sturgeons and Paddlefish	Recently Confirmed	2013	Protected - no open season		S1	G3
Bridle Shiner <i>Notropis bifrenatus</i>	Minnnows, Shiners, Suckers	Historically Confirmed				S2?	G3
Hickory Shad <i>Alosa mediocris</i>	Herrings and Shad	Historically Confirmed		Game with open season		S2	G4
Inland Silverside <i>Menidia beryllina</i>	Silversides	Recently Confirmed	1992			S2S3	G5
Shortnose Sturgeon <i>Acipenser brevirostrum</i>	Sturgeons and Paddlefish	Recently Confirmed	2013	Endangered		S1	G3

Animal: Butterflies and Moths

Appalachian Azure <i>Celastrina neglectamajor</i>	Butterflies and Skippers	Recently Confirmed	2003			S1S3	G4
Edwards' Hairstreak <i>Satyrium edwardsii</i>	Butterflies and Skippers	Recently Confirmed	2021			S3S4	G4
Hessel's Hairstreak <i>Callophrys hesseli</i>	Butterflies and Skippers	Possible but not Confirmed		Endangered		S1	G3
White-m Hairstreak <i>Parrhasius m-album</i>	Butterflies and Skippers	Recently Confirmed				SU	G5

Animal: Dragonflies and Damselflies

Arrowhead Spiketail <i>Cordulegaster obliqua</i>	Dragonflies	Recently Confirmed	2021			S3	G4
Comet Darner <i>Anax longipes</i>	Dragonflies	Recently Confirmed	2006			S2S3	G5
Cyrano Darner <i>Nasiaeschna pentacantha</i>	Dragonflies	Possible but not Confirmed				S2S3	G5

New York Nature Explorer

Common Name	Subgroup	Distribution Status	Year Last Documente	Protection Status		Conservation Rank	
				State	Federal	State	Global
Dusky Dancer <i>Argia translata</i>	Damselflies	Recently Confirmed				S1	G5
Gray Petaltail <i>Tachopteryx thoreyi</i>	Dragonflies	Recently Confirmed	2021	Special Concern		S2	G4
Mocha Emerald <i>Somatochlora linearis</i>	Dragonflies	Recently Confirmed	2019			S2S3	G5
Needham's Skimmer <i>Libellula needhami</i>	Dragonflies	Recently Confirmed	2006			S3	G5
Russet-tipped Clubtail <i>Stylurus plagiatus</i>	Dragonflies	Recently Confirmed				S1	G5
Tiger Spiketail <i>Cordulegaster erronea</i>	Dragonflies	Recently Confirmed	2021			S1	G4
Umber Shadowdragon <i>Neurocordulia obsoleta</i>	Dragonflies	Recently Confirmed				S1	G5

Animal: Animal Assemblages

Anadromous Fish Concentration Area <i>Anadromous Fish Concentration Area</i>	Animal Assemblages	Historically Confirmed	1986			S3	GNR
Bat Colony <i>Bat Colony</i>	Animal Assemblages	Recently Confirmed	2010			SNRN	GNR
Waterfowl Winter Concentration Area <i>Waterfowl Winter Concentration Area</i>	Animal Assemblages	Historically Confirmed	1986			S3S4N	GNR

Animal: Other Animals

Blanding's Turtle <i>Emydoidea blandingii</i>	Other Animals	Recently Confirmed	1990-1999	Threatened		S2S3	G4
Bog Turtle <i>Glyptemys muhlenbergii</i>	Other Animals	Recently Confirmed	2020	Endangered		S2	G2G3
Common Musk Turtle <i>Sternotherus odoratus</i>	Other Animals	Recently Confirmed	1990-1999	Game with no open season		S4	G5
Eastern Box Turtle <i>Terrapene carolina</i>	Other Animals	Recently Confirmed	1990-1999	Special Concern		S3	G5
Painted Turtle <i>Chrysemys picta</i>	Other Animals	Recently Confirmed	1990-1999	Game with no open season		S5	G5

New York Nature Explorer

Common Name	Subgroup	Distribution Status	Year Last Documente	Protection Status		Conservation Rank	
				State	Federal	State	Global
Slider <i>Trachemys scripta</i>	Other Animals	Recently Confirmed	1990-1999			SNA	G5
Snapping Turtle <i>Chelydra serpentina</i>	Other Animals	Recently Confirmed	1990-1999	Game with open season		S4S5	G5
Spotted Turtle <i>Clemmys guttata</i>	Other Animals	Recently Confirmed	1990-1999	Special Concern		S3	G5
Wood Turtle <i>Glyptemys insculpta</i>	Other Animals	Recently Confirmed	1990-1999	Special Concern		S3	G3

Plant: Flowering Plants

Alternate-flowered Water Milfoil <i>Myriophyllum alterniflorum</i>	Other Flowering Plants	Historically Confirmed	1891	Threatened		S2	G5
Ambiguous Sedge <i>Carex amphibola</i>	Sedges	Recently Confirmed	2009			S4	G5
American Alumroot <i>Heuchera americana</i> var. <i>americana</i>	Other Flowering Plants	Historically Confirmed		Rare		S3	G5T5
American Bittersweet <i>Celastrus scandens</i>	Other Flowering Plants	Historically Confirmed				S4	G5
American Featherfoil <i>Hottonia inflata</i>	Other Flowering Plants	Historically Confirmed		Threatened		S2	G4
American Ginseng <i>Panax quinquefolius</i>	Other Flowering Plants	Recently Confirmed				S4	G3G4
Annual Saltmarsh Aster <i>Symphotrichum subulatum</i> var. <i>subulatum</i>	Asters, Goldenrods and Daisies	Recently Confirmed	2000	Threatened		S2S3	G5
Atlantic Mudwort <i>Limosella australis</i>	Other Flowering Plants	Historically Confirmed		Threatened		S2	G5
Beaked Panic Grass <i>Coleataenia anceps</i> ssp. <i>anceps</i>	Grasses	Recently Confirmed		Endangered		S1	G5TNR
Bicknell's Sedge <i>Carex bicknellii</i>	Sedges	Recently Confirmed		Rare		S3	G5T5
Black-edged Sedge <i>Carex nigromarginata</i>	Sedges	Recently Confirmed	2011	Rare		S3	G5

New York Nature Explorer

Common Name	Subgroup	Distribution Status	Year Last Documente	Protection Status		Conservation Rank	
				State	Federal	State	Global
Black-seeded Spear Grass <i>Piptochaetium avenaceum</i>	Grasses	Recently Confirmed		Threatened		S2	G5
Bog Huckleberry <i>Gaylussacia bigeloviana</i>	Other Flowering Plants	Recently Confirmed	1997	Endangered		S1S2	G4G5
Bush's Sedge <i>Carex bushii</i>	Sedges	Recently Confirmed		Rare		S3	G4
Butternut <i>Juglans cinerea</i>	Other Flowering Plants	Recently Confirmed				S4	G3
Cat-tail Sedge <i>Carex typhina</i>	Sedges	Recently Confirmed		Endangered		S2	G5
Clustered Sedge <i>Carex cumulata</i>	Sedges	Recently Confirmed	2011	Threatened		S2S3	G4G5
Common Rattlebox <i>Crotalaria sagittalis</i>	Other Flowering Plants	Historically Confirmed		Endangered		S1	G5
Cream-colored Avens <i>Geum virginianum</i>	Other Flowering Plants	Recently Confirmed	1993	Threatened		S2	G5
Culver's Root <i>Veronicastrum virginicum</i>	Other Flowering Plants	Recently Confirmed		Threatened		S2	G4
Emmons' Sedge <i>Carex emmonsii</i>	Sedges	Recently Confirmed		Rare		S3	G5T5
Estuary Beggar Ticks <i>Bidens bidentoides</i>	Asters, Goldenrods and Daisies	Recently Confirmed	2011	Rare		S3	G3G4
Fairywand <i>Chamaelirium luteum</i>	Other Flowering Plants	Historically Confirmed	1990	Endangered		S1S2	G5
False Hop Sedge <i>Carex lupuliformis</i>	Sedges	Possible but not Confirmed		Threatened		S2	G4
Field Dodder <i>Cuscuta campestris</i>	Other Flowering Plants	Recently Confirmed		Endangered		S1	G5
Five-angled Dodder <i>Cuscuta pentagona</i>	Other Flowering Plants	Recently Confirmed		Rare		S3	G4G5
Forked Rush <i>Juncus dichotomus</i>	Rushes	Recently Confirmed		Threatened		S2	G5

New York Nature Explorer

Common Name	Subgroup	Distribution Status	Year Last Documente	Protection Status		Conservation Rank	
				State	Federal	State	Global
Georgia Bulrush <i>Scirpus georgianus</i>	Sedges	Recently Confirmed		Endangered		S1S2	G5
Globe Beak Sedge <i>Rhynchospora recognita</i>	Sedges	Extirpated				SX	G5?
Great Plains Flat Sedge <i>Cyperus lupulinus ssp. lupulinus</i>	Sedges	Recently Confirmed	2011	Threatened		S1S2	G5T5?
Great St. John's Wort <i>Hypericum ascyron ssp. pyramidatum</i>	Other Flowering Plants	Possible but not Confirmed		Rare		S3	G4T4
Heart Sorrel <i>Rumex hastatulus</i>	Other Flowering Plants	Historically Confirmed		Endangered		SH	G5
Hill's Pondweed <i>Potamogeton hillii</i>	Other Flowering Plants	Possible but not Confirmed		Threatened		S2S3	G3
Houghton's Flat Sedge <i>Cyperus houghtonii</i>	Sedges	Historically Confirmed		Rare		S3	G4?
Hudson River Water Nymph <i>Najas muenscheri</i>	Other Flowering Plants	Historically Confirmed		Endangered		S2	G5T2
Intertidal Spike Rush <i>Eleocharis aestuum</i>	Sedges	Possible but not Confirmed	1936	Endangered		S1	G3
Large Yellow Lady's Slipper <i>Cypripedium parviflorum var. pubescens</i>	Orchids	Historically Confirmed				S4	G5T5
Lily-leaved Twayblade <i>Liparis liliifolia</i>	Orchids	Historically Confirmed	1961	Endangered		S1	G5
Long-bracted Orchid <i>Coeloglossum viride</i>	Orchids	Historically Confirmed		Endangered		S1S2	G5
Lyre-leaved Sage <i>Salvia lyrata</i>	Other Flowering Plants	Historically Confirmed		Endangered		SH	G5
Muhlenberg's Veinless Sedge <i>Carex muehlenbergii var. enervis</i>	Sedges	Historically Confirmed		Rare		S3	G5T5
New England Bulrush <i>Bolboschoenus novae-angliae</i>	Sedges	Recently Confirmed		Endangered		S1	G3
Oblong-fruited Pinweed <i>Lechea racemulosa</i>	Other Flowering Plants	Recently Confirmed		Rare		S3	G5

New York Nature Explorer

Common Name	Subgroup	Distribution Status	Year Last Documente	Protection Status		Conservation Rank	
				State	Federal	State	Global
Ovate Spike Rush <i>Eleocharis ovata</i>	Sedges	Possible but not Confirmed		Threatened		S2S3	G5
Red-rooted Flat Sedge <i>Cyperus erythrorhizos</i>	Sedges	Recently Confirmed		Rare		S3	G5
Rhodora <i>Rhododendron canadense</i>	Other Flowering Plants	Historically Confirmed		Threatened		S2	G5
Sharp-angled Spike Rush <i>Eleocharis tenuis var. pseudoptera</i>	Sedges	Historically Confirmed	1955	Endangered		S1	G5T5?
Shining Bedstraw <i>Galium concinnum</i>	Other Flowering Plants	Recently Confirmed	2005	Endangered		S1	G5
Slender Marsh Pink <i>Sabatia campanulata</i>	Other Flowering Plants	Possible but not Confirmed		Endangered		S1	G5
Small-flowered Buttercup <i>Ranunculus micranthus</i>	Other Flowering Plants	Possible but not Confirmed		Rare		S3	G5
Smartweed Dodder <i>Cuscuta polygonorum</i>	Other Flowering Plants	Recently Confirmed		Endangered		S1	G5
Smooth Beggar Ticks <i>Bidens laevis</i>	Asters, Goldenrods and Daisies	Recently Confirmed	2003	Threatened		S2	G5
Southern Snailseed Pondweed <i>Potamogeton diversifolius</i>	Other Flowering Plants	Historically Confirmed	1936	Endangered		S1	G5
Spongy-leaved Arrowhead <i>Sagittaria montevidensis ssp. spongiosa</i>	Other Flowering Plants	Recently Confirmed	2003	Threatened		S2	G5T4
Spotted Pondweed <i>Potamogeton pulcher</i>	Other Flowering Plants	Recently Confirmed	1989	Threatened		S2	G5
Spreading Globeflower <i>Trollius laxus</i>	Other Flowering Plants	Recently Confirmed	1999	Rare		S3	G5T3
Stalked Bugleweed <i>Lycopus rubellus</i>	Other Flowering Plants	Recently Confirmed	1995	Endangered		S1	G5
Stiff Flat-topped Goldenrod <i>Solidago rigida var. rigida</i>	Asters, Goldenrods and Daisies	Historically Confirmed		Threatened		S2	G5T5
Swamp Cottonwood <i>Populus heterophylla</i>	Other Flowering Plants	Possible but not Confirmed		Threatened		S2	G5

New York Nature Explorer

Common Name	Subgroup	Distribution Status	Year Last Documente	Protection Status		Conservation Rank	
				State	Federal	State	Global
Toothcup <i>Rotala ramosior</i>	Other Flowering Plants	Recently Confirmed	2001	Threatened		S2	G5
Violet Wood Sorrel <i>Oxalis violacea</i>	Other Flowering Plants	Recently Confirmed	1994	Threatened		S2S3	G5
Virginia Snakeroot <i>Endodeca serpentaria</i>	Other Flowering Plants	Historically Confirmed		Threatened		S2	G4
Water Pigmyweed <i>Crassula aquatica</i>	Other Flowering Plants	Historically Confirmed	1994	Endangered		S1	G5
Whorled Mountain Mint <i>Pycnanthemum verticillatum</i> var. <i>verticillatum</i>	Other Flowering Plants	Recently Confirmed	2009	Endangered		S1S2	G5T5
Wild Hydrangea <i>Hydrangea arborescens</i>	Other Flowering Plants	Historically Confirmed	1896	Threatened		S2	G5
Wild Lupine <i>Lupinus perennis</i> ssp. <i>perennis</i>	Other Flowering Plants	Historically Confirmed		Rare		S3	G5T4?
Wild Sweet William <i>Phlox maculata</i> ssp. <i>maculata</i>	Other Flowering Plants	Recently Confirmed		Threatened		S2	G5T4T5
Woodland Agrimony <i>Agrimonia rostollata</i>	Other Flowering Plants	Recently Confirmed	2003	Threatened		S2	G5
Yellow Corydalis <i>Corydalis flavula</i>	Other Flowering Plants	Recently Confirmed		Rare		S3	G5

Plant: Conifers

Atlantic White Cedar <i>Chamaecyparis thyoides</i>	Conifers	Recently Confirmed	2001	Threatened		S2	G4
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Plant: Ferns and Fern Allies

Marsh Horsetail <i>Equisetum palustre</i>	Horsetails	Historically Confirmed	1989	Threatened		S2	G5
Meadow Horsetail <i>Equisetum pratense</i>	Horsetails	Recently Confirmed		Threatened		S2	G5

Natural Community: Uplands

New York Nature Explorer

Common Name	Subgroup	Distribution Status	Year Last Documente	Protection Status		Conservation Rank	
				State	Federal	State	Global
Acidic Talus Slope Woodland <i>Acidic talus slope woodland</i>	Barrens and Woodlands	Recently Confirmed	1998			S3	G4?
Appalachian Oak-Hickory Forest <i>Appalachian oak-hickory forest</i>	Forested Uplands	Recently Confirmed	2009			S4	G4G5
Chestnut Oak Forest <i>Chestnut oak forest</i>	Forested Uplands	Recently Confirmed	2011			S4	G5
Cliff Community <i>Cliff community</i>	Open Uplands	Recently Confirmed	1994			S4	G5
Hemlock-Northern Hardwood Forest <i>Hemlock-northern hardwood forest</i>	Forested Uplands	Recently Confirmed	2011			S3	G4G5
Oak-Tulip Tree Forest <i>Oak-tulip tree forest</i>	Forested Uplands	Recently Confirmed	2011			S2S3	G4
Pitch Pine-Oak-Heath Rocky Summit <i>Pitch pine-oak-heath rocky summit</i>	Barrens and Woodlands	Recently Confirmed	2011			S3S4	G4
Red Cedar Rocky Summit <i>Red cedar rocky summit</i>	Barrens and Woodlands	Recently Confirmed	2011			S3	G3G4
Rocky Summit Grassland <i>Rocky summit grassland</i>	Open Uplands	Recently Confirmed	2015			S2	G3G4

Natural Community: Freshwater Nontidal Wetlands

Dwarf Shrub Bog <i>Dwarf shrub bog</i>	Open Peatlands	Recently Confirmed	1997			S3	G4
Floodplain Forest <i>Floodplain forest</i>	Forested Mineral Soil Wetlands	Recently Confirmed	1997			S2S3	G3G4
Highbush Blueberry Bog Thicket <i>Highbush blueberry bog thicket</i>	Open Peatlands	Recently Confirmed	2011			S3	G4
Inland Atlantic White Cedar Swamp <i>Inland Atlantic white cedar swamp</i>	Forested Peatlands	Recently Confirmed	2001			S1	G2G3
Red Maple-Hardwood Swamp <i>Red maple-hardwood swamp</i>	Forested Mineral Soil Wetlands	Recently Confirmed	1997			S3S4	G5
Rich Graminoid Fen <i>Rich graminoid fen</i>	Open Peatlands	Recently Confirmed	2008			S1	G3

New York Nature Explorer

Common Name	Subgroup	Distribution Status	Year Last Documente	Protection Status		Conservation Rank	
				State	Federal	State	Global
Rich Sloping Fen	Open Peatlands	Recently Confirmed	1999			S1?	G3
<i>Rich sloping fen</i>							

Natural Community: Tidal Wetlands

Brackish Intertidal Mudflats	Intertidal Wetlands	Recently Confirmed	2000			S1	G3G4
<i>Brackish intertidal mudflats</i>							
Brackish Tidal Marsh	Intertidal Wetlands	Recently Confirmed	2000			S1	G4
<i>Brackish tidal marsh</i>							
Tidal River	Subtidal Wetlands	Recently Confirmed	2000			S3	G4
<i>Tidal river</i>							

This list only includes records from the databases of the NY Natural Heritage Program, the second NYS Breeding Bird Atlas Project, and the NY Amphibian and Reptile Atlas Project. This list is not a definitive statement about the presence or absence of all plants and animals, including rare or state-listed species, or of all significant natural communities.



United States Department of the Interior



FISH AND WILDLIFE SERVICE
New England Ecological Services Field Office
70 Commercial Street, Suite 300
Concord, NH 03301-5094
Phone: (603) 223-2541 Fax: (603) 223-0104

In Reply Refer To:
Project Code: 2022-0064995
Project Name: Putnam County Southeast to Danbury Rail Link Study

July 19, 2022

Subject: List of threatened and endangered species that may occur in your proposed project location or may be affected by your proposed project

To Whom It May Concern:

Please review this letter each time you request an Official Species List, we will continue to update it with additional information and links to websites may change.

About Official Species Lists

The purpose of the Act is to provide a means whereby threatened and endangered species and the ecosystems upon which they depend may be conserved. Federal and non-Federal project proponents have responsibilities under the Act to consider effects on listed species.

The enclosed species list identifies threatened, endangered, proposed, and candidate species, as well as proposed and final designated critical habitat, that may occur within the boundary of your proposed project and/or may be affected by your proposed project. The species list fulfills the requirements of the U.S. Fish and Wildlife Service (Service) under section 7(c) of the Endangered Species Act (Act) of 1973, as amended (16 U.S.C. 1531 et seq.).

New information based on updated surveys, changes in the abundance and distribution of species, changed habitat conditions, or other factors could change this list. Please note that under 50 CFR 402.12(e) of the regulations implementing section 7 of the Act, the accuracy of this species list should be verified after 90 days. The Service recommends that verification be completed by visiting the ECOS-IPaC website at regular intervals during project planning and implementation for updates to species lists and information. An updated list may be requested by returning to an existing project's page in IPaC.

Endangered Species Act Project Review

Please visit the “**New England Field Office Endangered Species Project Review and Consultation**” website for step-by-step instructions on how to consider effects on listed

species and prepare and submit a project review package if necessary:

<https://www.fws.gov/office/new-england-ecological-services/endangered-species-project-review>

NOTE Please do not use the **Consultation Package Builder** tool in IPaC except in specific situations following coordination with our office. Please follow the project review guidance on our website instead and reference your **Project Code** in all correspondence.

Northern Long-eared Bat Update - Additionally, please note that on March 23, 2022, the Service published a proposal to reclassify the northern long-eared bat (NLEB) as endangered under the Endangered Species Act. The U.S. District Court for the District of Columbia has ordered the Service to complete a new final listing determination for the NLEB by November 2022 (Case 1:15-cv-00477, March 1, 2021). The bat, currently listed as threatened, faces extinction due to the range-wide impacts of white-nose syndrome (WNS), a deadly fungal disease affecting cave-dwelling bats across the continent. The proposed reclassification, if finalized, would remove the current 4(d) rule for the NLEB, as these rules may be applied only to threatened species. Depending on the type of effects a project has on NLEB, the change in the species' status may trigger the need to re-initiate consultation for any actions that are not completed and for which the Federal action agency retains discretion once the new listing determination becomes effective (anticipated to occur by December 30, 2022). If your project may result in incidental take of NLEB after the new listing goes into effect this will first need to be addressed in an updated consultation that includes an Incidental Take Statement. If your project may require re-initiation of consultation, please contact our office for additional guidance.

Additional Info About Section 7 of the Act

Under section 7(a)(2) of the Act and its implementing regulations (50 CFR 402 et seq.), Federal agencies are required to determine whether projects may affect threatened and endangered species and/or designated critical habitat. If a Federal agency, or its non-Federal representative, determines that listed species and/or designated critical habitat may be affected by the proposed project, the agency is required to consult with the Service pursuant to 50 CFR 402. In addition, the Federal agency also may need to consider proposed species and proposed critical habitat in the consultation. 50 CFR 402.14(c)(1) specifies the information required for consultation under the Act regardless of the format of the evaluation. More information on the regulations and procedures for section 7 consultation, including the role of permit or license applicants, can be found in the "Endangered Species Consultation Handbook" at:

<https://www.fws.gov/service/section-7-consultations>

In addition to consultation requirements under Section 7(a)(2) of the ESA, please note that under sections 7(a)(1) of the Act and its implementing regulations (50 CFR 402 et seq.), Federal agencies are required to utilize their authorities to carry out programs for the conservation of threatened and endangered species. Please contact NEFO if you would like more information.

Candidate species that appear on the enclosed species list have no current protections under the

ESA. The species' occurrence on an official species list does not convey a requirement to consider impacts to this species as you would a proposed, threatened, or endangered species. The ESA does not provide for interagency consultations on candidate species under section 7, however, the Service recommends that all project proponents incorporate measures into projects to benefit candidate species and their habitats wherever possible.

Migratory Birds

In addition to responsibilities to protect threatened and endangered species under the Endangered Species Act (ESA), there are additional responsibilities under the Migratory Bird Treaty Act (MBTA) and the Bald and Golden Eagle Protection Act (BGEPA) to protect native birds from project-related impacts. Any activity, intentional or unintentional, resulting in take of migratory birds, including eagles, is prohibited unless otherwise permitted by the U.S. Fish and Wildlife Service (50 C.F.R. Sec. 10.12 and 16 U.S.C. Sec. 668(a)). For more information regarding these Acts see:

<https://www.fws.gov/program/migratory-bird-permit>

<https://www.fws.gov/library/collections/bald-and-golden-eagle-management>

Please feel free to contact us at **newengland@fws.gov** with your **Project Code** in the subject line if you need more information or assistance regarding the potential impacts to federally proposed, listed, and candidate species and federally designated and proposed critical habitat.

Attachment(s): Official Species List

Note: IPaC has provided all available attachments because this project is in multiple field office jurisdictions.

Attachment(s):

- Official Species List
 - USFWS National Wildlife Refuges and Fish Hatcheries
 - Migratory Birds
 - Wetlands
-

Official Species List

This list is provided pursuant to Section 7 of the Endangered Species Act, and fulfills the requirement for Federal agencies to "request of the Secretary of the Interior information whether any species which is listed or proposed to be listed may be present in the area of a proposed action".

This species list is provided by:

New England Ecological Services Field Office

70 Commercial Street, Suite 300
Concord, NH 03301-5094
(603) 223-2541

This project's location is within the jurisdiction of multiple offices. However, only one species list document will be provided for all offices. The species and critical habitats in this document reflect the aggregation of those that fall in each of the affiliated office's jurisdiction. Other offices affiliated with the project:

New York Ecological Services Field Office

3817 Luker Road
Cortland, NY 13045-9385
(607) 753-9334

Project Summary

Project Code: 2022-0064995

Event Code: None

Project Name: Putnam County Southeast to Danbury Rail Link Study

Project Type: Railroad - Maintenance/Modification

Project Description: The goal of the Study is to evaluate the feasibility of restoring passenger rail service between Southeast, NY and Danbury, CT, while supporting and enhancing personal mobility, economic growth, and quality of life within the corridor study area. The feasibility study will result in an actionable plan that frames existing conditions, marketing opportunities, local perspectives, and provides data-driven recommendations for improved mobility.

Project Location:

Approximate location of the project can be viewed in Google Maps: <https://www.google.com/maps/@41.398500350000006,-73.60654193871792,14z>



Counties: Connecticut and New York

Endangered Species Act Species

There is a total of 4 threatened, endangered, or candidate species on this species list.

Species on this list should be considered in an effects analysis for your project and could include species that exist in another geographic area. For example, certain fish may appear on the species list because a project could affect downstream species.

IPaC does not display listed species or critical habitats under the sole jurisdiction of NOAA Fisheries¹, as USFWS does not have the authority to speak on behalf of NOAA and the Department of Commerce.

See the "Critical habitats" section below for those critical habitats that lie wholly or partially within your project area under this office's jurisdiction. Please contact the designated FWS office if you have questions.

1. [NOAA Fisheries](#), also known as the National Marine Fisheries Service (NMFS), is an office of the National Oceanic and Atmospheric Administration within the Department of Commerce.

Mammals

NAME	STATUS
Indiana Bat <i>Myotis sodalis</i> There is final critical habitat for this species. The location of the critical habitat is not available. Species profile: https://ecos.fws.gov/ecp/species/5949	Endangered
Northern Long-eared Bat <i>Myotis septentrionalis</i> No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/9045	Threatened

Reptiles

NAME	STATUS
Bog Turtle <i>Glyptemys muhlenbergii</i> Population: Wherever found, except GA, NC, SC, TN, VA No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/6962	Threatened

Insects

NAME	STATUS
Monarch Butterfly <i>Danaus plexippus</i> No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/9743	Candidate

Critical habitats

THERE ARE NO CRITICAL HABITATS WITHIN YOUR PROJECT AREA UNDER THIS OFFICE'S JURISDICTION.



USFWS National Wildlife Refuge Lands And Fish Hatcheries

Any activity proposed on lands managed by the [National Wildlife Refuge](#) system must undergo a 'Compatibility Determination' conducted by the Refuge. Please contact the individual Refuges to discuss any questions or concerns.

THERE ARE NO REFUGE LANDS OR FISH HATCHERIES WITHIN YOUR PROJECT AREA.

Migratory Birds

Certain birds are protected under the Migratory Bird Treaty Act¹ and the Bald and Golden Eagle Protection Act².

Any person or organization who plans or conducts activities that may result in impacts to migratory birds, eagles, and their habitats should follow appropriate regulations and consider implementing appropriate conservation measures, as described [below](#).

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1. The [Migratory Birds Treaty Act](#) of 1918.
 2. The [Bald and Golden Eagle Protection Act](#) of 1940.
 3. 50 C.F.R. Sec. 10.12 and 16 U.S.C. Sec. 668(a)

The birds listed below are birds of particular concern either because they occur on the [USFWS Birds of Conservation Concern \(BCC\) list](#) or warrant special attention in your project location. To learn more about the levels of concern for birds on your list and how this list is generated, see the FAQ [below](#). This is not a list of every bird you may find in this location, nor a guarantee that every bird on this list will be found in your project area. To see exact locations of where birders and the general public have sighted birds in and around your project area, visit the [E-bird data mapping tool](#) (Tip: enter your location, desired date range and a species on your list). For projects that occur off the Atlantic Coast, additional maps and models detailing the relative occurrence and abundance of bird species on your list are available. Links to additional information about Atlantic Coast birds, and other important information about your migratory bird list, including how to properly interpret and use your migratory bird report, can be found [below](#).

For guidance on when to schedule activities or implement avoidance and minimization measures to reduce impacts to migratory birds on your list, click on the PROBABILITY OF PRESENCE SUMMARY at the top of your list to see when these birds are most likely to be present and breeding in your project area.

NAME	BREEDING SEASON
Bald Eagle <i>Haliaeetus leucocephalus</i> This is not a Bird of Conservation Concern (BCC) in this area, but warrants attention because of the Eagle Act or for potential susceptibilities in offshore areas from certain types of development or activities. https://ecos.fws.gov/ecp/species/1626	Breeds Sep 1 to Aug 31
Black-billed Cuckoo <i>Coccyzus erythrophthalmus</i> This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska. https://ecos.fws.gov/ecp/species/9399	Breeds May 15 to Oct 10

NAME	BREEDING SEASON
Black-capped Chickadee <i>Poecile atricapillus praticus</i> This is a Bird of Conservation Concern (BCC) only in particular Bird Conservation Regions (BCRs) in the continental USA	Breeds Apr 10 to Jul 31
Blue-winged Warbler <i>Vermivora pinus</i> This is a Bird of Conservation Concern (BCC) only in particular Bird Conservation Regions (BCRs) in the continental USA	Breeds May 1 to Jun 30
Bobolink <i>Dolichonyx oryzivorus</i> This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.	Breeds May 20 to Jul 31
Canada Warbler <i>Cardellina canadensis</i> This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.	Breeds May 20 to Aug 10
Cerulean Warbler <i>Dendroica cerulea</i> This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska. https://ecos.fws.gov/ecp/species/2974	Breeds Apr 27 to Jul 20
Prairie Warbler <i>Dendroica discolor</i> This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.	Breeds May 1 to Jul 31
Red-headed Woodpecker <i>Melanerpes erythrocephalus</i> This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.	Breeds May 10 to Sep 10
Rusty Blackbird <i>Euphagus carolinus</i> This is a Bird of Conservation Concern (BCC) only in particular Bird Conservation Regions (BCRs) in the continental USA	Breeds elsewhere
Wood Thrush <i>Hylocichla mustelina</i> This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.	Breeds May 10 to Aug 31

Probability Of Presence Summary

The graphs below provide our best understanding of when birds of concern are most likely to be present in your project area. This information can be used to tailor and schedule your project activities to avoid or minimize impacts to birds. Please make sure you read and understand the FAQ "Proper Interpretation and Use of Your Migratory Bird Report" before using or attempting to interpret this report.

Probability of Presence (■)

Each green bar represents the bird's relative probability of presence in the 10km grid cell(s) your project overlaps during a particular week of the year. (A year is represented as 12 4-week months.) A taller bar indicates a higher probability of species presence. The survey effort (see



Additional information can be found using the following links:

- Birds of Conservation Concern <https://www.fws.gov/program/migratory-birds/species>
- Measures for avoiding and minimizing impacts to birds <https://www.fws.gov/library/collections/avoiding-and-minimizing-incident-take-migratory-birds>
- Nationwide conservation measures for birds <https://www.fws.gov/sites/default/files/documents/nationwide-standard-conservation-measures.pdf>

Migratory Birds FAQ

Tell me more about conservation measures I can implement to avoid or minimize impacts to migratory birds.

[Nationwide Conservation Measures](#) describes measures that can help avoid and minimize impacts to all birds at any location year round. Implementation of these measures is particularly important when birds are most likely to occur in the project area. When birds may be breeding in the area, identifying the locations of any active nests and avoiding their destruction is a very

helpful impact minimization measure. To see when birds are most likely to occur and be breeding in your project area, view the Probability of Presence Summary. [Additional measures](#) or [permits](#) may be advisable depending on the type of activity you are conducting and the type of infrastructure or bird species present on your project site.

What does IPaC use to generate the migratory birds potentially occurring in my specified location?

The Migratory Bird Resource List is comprised of USFWS [Birds of Conservation Concern \(BCC\)](#) and other species that may warrant special attention in your project location.

The migratory bird list generated for your project is derived from data provided by the [Avian Knowledge Network \(AKN\)](#). The AKN data is based on a growing collection of [survey, banding, and citizen science datasets](#) and is queried and filtered to return a list of those birds reported as occurring in the 10km grid cell(s) which your project intersects, and that have been identified as warranting special attention because they are a BCC species in that area, an eagle ([Eagle Act](#) requirements may apply), or a species that has a particular vulnerability to offshore activities or development.

Again, the Migratory Bird Resource list includes only a subset of birds that may occur in your project area. It is not representative of all birds that may occur in your project area. To get a list of all birds potentially present in your project area, please visit the [AKN Phenology Tool](#).

What does IPaC use to generate the probability of presence graphs for the migratory birds potentially occurring in my specified location?

The probability of presence graphs associated with your migratory bird list are based on data provided by the [Avian Knowledge Network \(AKN\)](#). This data is derived from a growing collection of [survey, banding, and citizen science datasets](#).

Probability of presence data is continuously being updated as new and better information becomes available. To learn more about how the probability of presence graphs are produced and how to interpret them, go the Probability of Presence Summary and then click on the "Tell me about these graphs" link.

How do I know if a bird is breeding, wintering, migrating or present year-round in my project area?

To see what part of a particular bird's range your project area falls within (i.e. breeding, wintering, migrating or year-round), you may refer to the following resources: [The Cornell Lab of Ornithology All About Birds Bird Guide](#), or (if you are unsuccessful in locating the bird of interest there), the [Cornell Lab of Ornithology Neotropical Birds guide](#). If a bird on your migratory bird species list has a breeding season associated with it, if that bird does occur in your project area, there may be nests present at some point within the timeframe specified. If "Breeds elsewhere" is indicated, then the bird likely does not breed in your project area.

What are the levels of concern for migratory birds?

Migratory birds delivered through IPaC fall into the following distinct categories of concern:

1. "BCC Rangewide" birds are [Birds of Conservation Concern](#) (BCC) that are of concern throughout their range anywhere within the USA (including Hawaii, the Pacific Islands, Puerto Rico, and the Virgin Islands);
2. "BCC - BCR" birds are BCCs that are of concern only in particular Bird Conservation Regions (BCRs) in the continental USA; and
3. "Non-BCC - Vulnerable" birds are not BCC species in your project area, but appear on your list either because of the [Eagle Act](#) requirements (for eagles) or (for non-eagles) potential susceptibilities in offshore areas from certain types of development or activities (e.g. offshore energy development or longline fishing).

Although it is important to try to avoid and minimize impacts to all birds, efforts should be made, in particular, to avoid and minimize impacts to the birds on this list, especially eagles and BCC species of rangewide concern. For more information on conservation measures you can implement to help avoid and minimize migratory bird impacts and requirements for eagles, please see the FAQs for these topics.

Details about birds that are potentially affected by offshore projects

For additional details about the relative occurrence and abundance of both individual bird species and groups of bird species within your project area off the Atlantic Coast, please visit the [Northeast Ocean Data Portal](#). The Portal also offers data and information about other taxa besides birds that may be helpful to you in your project review. Alternately, you may download the bird model results files underlying the portal maps through the [NOAA NCCOS Integrative Statistical Modeling and Predictive Mapping of Marine Bird Distributions and Abundance on the Atlantic Outer Continental Shelf](#) project webpage.

Bird tracking data can also provide additional details about occurrence and habitat use throughout the year, including migration. Models relying on survey data may not include this information. For additional information on marine bird tracking data, see the [Diving Bird Study](#) and the [nanotag studies](#) or contact [Caleb Spiegel](#) or [Pam Loring](#).

What if I have eagles on my list?

If your project has the potential to disturb or kill eagles, you may need to [obtain a permit](#) to avoid violating the Eagle Act should such impacts occur.

Proper Interpretation and Use of Your Migratory Bird Report

The migratory bird list generated is not a list of all birds in your project area, only a subset of birds of priority concern. To learn more about how your list is generated, and see options for identifying what other birds may be in your project area, please see the FAQ "What does IPaC use to generate the migratory birds potentially occurring in my specified location". Please be aware this report provides the "probability of presence" of birds within the 10 km grid cell(s) that overlap your project; not your exact project footprint. On the graphs provided, please also look carefully at the survey effort (indicated by the black vertical bar) and for the existence of the "no data" indicator (a red horizontal bar). A high survey effort is the key component. If the survey effort is high, then the probability of presence score can be viewed as more dependable. In contrast, a low survey effort bar or no data bar means a lack of data and, therefore, a lack of

certainty about presence of the species. This list is not perfect; it is simply a starting point for identifying what birds of concern have the potential to be in your project area, when they might be there, and if they might be breeding (which means nests might be present). The list helps you know what to look for to confirm presence, and helps guide you in knowing when to implement conservation measures to avoid or minimize potential impacts from your project activities, should presence be confirmed. To learn more about conservation measures, visit the FAQ "Tell me about conservation measures I can implement to avoid or minimize impacts to migratory birds" at the bottom of your migratory bird trust resources page.

Wetlands

Impacts to [NWI wetlands](#) and other aquatic habitats may be subject to regulation under Section 404 of the Clean Water Act, or other State/Federal statutes.

For more information please contact the Regulatory Program of the local [U.S. Army Corps of Engineers District](#).

Please note that the NWI data being shown may be out of date. We are currently working to update our NWI data set. We recommend you verify these results with a site visit to determine the actual extent of wetlands on site.

RIVERINE

- [Riverine](#)

LAKE

- [Lacustrine](#)

FRESHWATER EMERGENT WETLAND

- [Palustrine](#)
-

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Lead Agency Contact Information

Lead Agency: Federal Transit Administration
