



# Appendix H

Description

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Ecological Resources Supporting Documents





## **Plant Species List**

The following list provides an inventory of vegetation observed during the field survey of the subject conducted on May 9, 2019. This observed plant species list is not intended to be an all-inclusive inventory of the vegetative species present at the subject property.

### **Trees**

<i>Acer palmatum</i>	Japanese maple
<i>Acer plantanoides</i>	Norway maple
<i>Acer pseudoplatanus</i>	sycamore maple
<i>Acer rubrum</i>	red maple
<i>Acer saccharinum</i>	silver maple
<i>Acer saccharum</i>	sugar maple
<i>Ailanthus altissima</i>	tree-of-heaven
<i>Betula lenta</i>	black birch
<i>Betula pendula</i>	European white birch
<i>Betula populifolia</i>	grey birch
<i>Carya glabra</i>	pignut hickory
<i>Crataegus sp.</i>	hawthorn
<i>Euonymus alatus</i>	burning bush
<i>Fraxinus americana</i>	white ash
<i>Gleditsia triacanthos</i>	honey locust
<i>Ilex opaca</i>	American holly
<i>Juglans nigra</i>	black walnut
<i>Juniperus virginiana</i>	eastern redcedar
<i>Liquidambar styraciflua</i>	sweetgum
<i>Malus sp.</i>	crabapple
<i>Morus alba</i>	white mulberry
<i>Morus rubra</i>	red mulberry
<i>Nyssa sylvatica</i>	blackgum (tupelo)
<i>Picea pungens</i>	Colorado blue spruce
<i>Pinus strobus</i>	eastern white pine
<i>Pinus sylvestris</i>	Scotts pine
<i>Pinus thunbergii</i>	Japanese black pine
<i>Plantanus occidentalis</i>	American sycamore
<i>Populus deltoides</i>	eastern cottonwood
<i>Populus grandidentata</i>	big-tooth aspen
<i>Populus tremuloides</i>	quaking aspen
<i>Prunus pensylvanica</i>	fire cherry
<i>Prunus serotina</i>	black cherry
<i>Pyrus calleryana</i>	Callery pear
<i>Quercus alba</i>	white oak
<i>Quercus coccinea</i>	scarlet oak
<i>Quercus palustris</i>	pin oak
<i>Quercus rubra</i>	northern red oak
<i>Quercus velutina</i>	black oak
<i>Robinia pseudoacacia</i>	black locust
<i>Salix alba</i>	white willow
<i>Salix babylonica</i>	weeping willow
<i>Salix discolor</i>	pussy willow
<i>Sassafras albidum</i>	sassafras



<i>Thuja occidentalis</i>	northern white cedar (arborvitae)
<i>Tilia americana</i>	basswood
<i>Ulmus americana</i>	American elm

### Shrubs and Woody Vines

<i>Ampelopsis brevipedunculata</i>	porcelain berry
<i>Baccharis halimifolia</i>	groundsel bush
<i>Berberis thunbergii</i>	Japanese barberry
<i>Buxus sp.</i>	boxwood
<i>Celastrus orbiculatus</i>	Asiatic bittersweet
<i>Cornus sericea</i>	red osier dogwood
<i>Euonymus sp.</i>	euonymus
<i>Forsythia sp.</i>	forsythia
<i>Hedera helix</i>	English ivy
<i>Hibiscus syriacus</i>	Rose-of-Sharon
<i>Ilex opaca</i>	American holly
<i>Iva frutescens</i>	marsh elder
<i>Ligustrum sp.</i>	privet
<i>Lonicera canadensis</i>	American fly honeysuckle
<i>Lonicera japonica</i>	Japanese honeysuckle
<i>Lonicera tatarica</i>	Tatarian honeysuckle
<i>Myrica pensylvanicum</i>	northern bayberry
<i>Parthenocissus quinquefolia</i>	Virginia creeper
<i>Prunus virginiana</i>	chokecherry
<i>Rosa multiflora</i>	multiflora rose
<i>Rubus idaeus</i>	raspberry
<i>Rubus occidentalis</i>	black raspberry
<i>Rubus phoenicolasius</i>	wineberry
<i>Rubus sp.</i>	brambles
<i>Smilax glauca</i>	catbrier
<i>Smilax rotundifolia</i>	roundleaf greenbrier
<i>Taxus sp.</i>	yew
<i>Toxicodendron radicans</i>	poison ivy
<i>Vaccinium corymbosum</i>	highbush blueberry
<i>Viburnum dentatum</i>	southern arrowwood
<i>Vitis aestivalis</i>	summer grape

### Herbaceous Plants

<i>Achillea millefolium</i>	yarrow
<i>Ageratina altissima</i>	white snakeroot
<i>Agrostis perennans</i>	upland bent grass
<i>Allaria petiolata</i>	garlic mustard
<i>Amaranthus hybridus</i>	smooth pigweed
<i>Andropogon gerardii</i>	big bluestem
<i>Andropogon virginicus</i>	broomsedge
<i>Apocynum cannabinum</i>	hemp dogbane
<i>Artemisia vulgaris</i>	common mugwort
<i>Asclepias syriaca</i>	common milkweed
<i>Baptisia tinctoria</i>	wild indigo

<i>Bidens frondosa</i>	devil's beggarticks
<i>Calystegia sepium</i>	hedge bindweed
<i>Capsella bursa-pastoris</i>	shepherd's purse
<i>Centaurea maculosa</i>	spotted knapweed
<i>Cerastium sp.</i>	mouse-ear chickweed
<i>Chenopodium album</i>	lambsquarters
<i>Cirsium arvense</i>	Canada thistle
<i>Conzya canadensis</i>	horseweed
<i>Datura stramonium</i>	jimsonweed
<i>Daucus carota</i>	Queen Anne's lace
<i>Dennstaedtia punctilobula</i>	hay-scented fern
<i>Deschampsia flexuosa</i>	hairgrass
<i>Dichanthelium clandestinum</i>	deertongue grass
<i>Digitaria sanguinalis</i>	large crabgrass
<i>Digitaria sp.</i>	crabgrass
<i>Equisetum arvense</i>	field horsetail
<i>Festuca arundinacea</i>	red fescue
<i>Festuca sp.</i>	fescue
<i>Fragaria virginiana</i>	wild strawberry
<i>Galinsoga parviflora</i>	quickweed
<i>Galium sp.</i>	bedstraw
<i>Glechoma hederacea</i>	gill-over-the-ground
<i>Hosta sp.</i>	Plantain lily
<i>Impatiens capensis</i>	spotted jewelweed
<i>Juncus gerardii</i>	blackgrass
<i>Justica americana</i>	American water willow
<i>Lactuca canadensis</i>	Canada lettuce
<i>Lathyrus latifolius</i>	perennial pea
<i>Limonium latifolium</i>	sea lavender
<i>Linaria vulgaris</i>	butter-and-eggs (toadflax)
<i>Lolium sp.</i>	ryegrass
<i>Medicago polymorpha</i>	burclover
<i>Miscanthus sp.</i>	ornamental grass
<i>Mollugo verticillata</i>	carpetweed
<i>Narcissus sp.</i>	daffodil
<i>Oxalis montana</i>	common wood sorrel
<i>Panicum virgatum</i>	switch grass
<i>Pennisetum sp.</i>	fountain grass
<i>Phleum pratense</i>	timothy grass
<i>Phragmites australis</i>	common reed
<i>Phytolacca americana</i>	pokeweed
<i>Pilea pumilla</i>	clearweed
<i>Plantago lanceolata</i>	narrowleaf plantain
<i>Plantago major</i>	broadleaf plantain
<i>Poa sp.</i>	bluegrass
<i>Polygonum cuspidatum</i>	Japanese knotweed
<i>Polygonum persicaria</i>	lady's thumb
<i>Rosa rugosa</i>	Rugosa rose
<i>Rumex crispus</i>	curly dock
<i>Rumex obtusifolius</i>	broadleaf dock
<i>Schizachyrium scoparium</i>	little bluestem
<i>Setaria faberi</i>	giant foxtail



<i>Setaria pumila</i>	yellow foxtail
<i>Solidago rugosa</i>	rough-stemmed goldenrod
<i>Solidago sempervirens</i>	seaside goldenrod
<i>Solidago sp.</i>	goldenrod
<i>Sonchus arvensis</i>	perennial sowthistle
<i>Spartina alterniflora</i>	saltmarsh cordgrass (low marsh)
<i>Spartina patens</i>	saltmeadow cordgrass (high marsh)
<i>Stellaria media</i>	common chickweed
<i>Taraxacum officinale</i>	common dandelion
<i>Thelypteris noveboracensis</i>	New York fern
<i>Trifolium arvense</i>	rabbits foot clover
<i>Trifolium dubium</i>	hop clover
<i>Trifolium pratense</i>	red clover
<i>Trifolium repens</i>	white clover
<i>Verbascum thapsus</i>	mullein
<i>Vicia sp.</i>	vetch
<i>Viola sororia</i>	common violet
<i>Xanthium strumarium</i>	rough cocklebur



## **Birds**

The avian species listed below were observed (i.e., seen and/or heard) at or over the subject property during the May 9, 2019 field survey.

<i>Corvus brachyrhynchos</i>	American crow
<i>Agelaius phoeniceus</i>	red-winged blackbird
<i>Anas platyrhynchos</i>	mallard
<i>Ardea alba</i>	great egret
<i>Branta canadensis</i>	Canada goose
<i>Buteo jamaicensis</i>	red-tailed hawk
<i>Cardinalis cardinalis</i>	northern cardinal
<i>Charadrius vociferus</i>	killdeer
<i>Colaptes auratus</i>	northern flicker
<i>Columba livia</i>	rock pigeon
<i>Corvus ossifragus</i>	fish crow
<i>Cyanocitta cristata</i>	blue jay
<i>Cygnus olor</i>	mute swan
<i>Dumetella carolinensis</i>	gray catbird
<i>Geothlypis trichas</i>	common yellowthroat
<i>Haemorhous purpureus</i>	purple finch
<i>Hirundo rustica</i>	barn swallow
<i>Icterus galbula</i>	northern oriole
<i>Larus argentatus</i>	herring gull
<i>Larus marinus</i>	great black-backed gull
<i>Leucophaeus atricilla</i>	laughing gull
<i>Melanerpes carolinus</i>	red-bellied woodpecker
<i>Melospiza melodia</i>	song sparrow
<i>Mimus polyglottos</i>	northern mockingbird
<i>Pandion haliaetus</i>	osprey
<i>Passer domesticus</i>	house sparrow
<i>Picoides pubescens</i>	downy woodpecker
<i>Poecile atricapillus</i>	black-capped chickadee
<i>Progne subis</i>	purple martin
<i>Quiscalus quiscula</i>	common grackle
<i>Setophaga petechia</i>	yellow warbler
<i>Sialia sialis</i>	eastern bluebird
<i>Sitta carolinensis</i>	white-breasted nuthatch
<i>Spinus tristis</i>	American goldfinch
<i>Spizella passerine</i>	chipping sparrow
<i>Spizella pusilla</i>	field sparrow
<i>Sterna hirundo</i>	common tern
<i>Sturnus vulgaris</i>	European starling
<i>Thryothorus ludovicianus</i>	Carolina wren
<i>Troglodytes aedon</i>	house wren
<i>Turdus migratorius</i>	American robin
<i>Vireo gilvus</i>	warbling vireo
<i>Zenaidura macroura</i>	mourning dove



*Zonotrichia albicollis*

white-throated sparrow

**Mammals**

The following mammal species have been identified as potentially utilizing the subject property. However, this list is not intended to be an all-inclusive inventory of on-site mammals.

<i>Blarina brevicauda</i>	short-tailed shrew
Chiroptera spp.	bats
<i>Condylura cristata</i>	star-nosed mole
<i>Didelphis virginialis</i>	Virginia opossum
<i>Felis catus</i>	domestic cat
<i>Marmota monax</i>	woodchuck
<i>Microtus pennsylvanicus</i>	meadow vole
<i>Mus musculus</i>	house mouse
<i>Peromyscus leucopus</i>	white-footed mouse
<i>Procyon lotor</i>	raccoon
<i>Ratus norvegicus</i>	Norway rat
<i>Scalopus aquaticus</i>	eastern mole
<i>Sciurus carolinensis</i>	eastern gray squirrel*
<i>Sorex cinereus</i>	masked shrew
<i>Sylvilagus floridanus</i>	eastern cottontail*
<i>Tamias striatus</i>	eastern chipmunk
<i>Vulpes vulpes</i>	red fox

\*Indicates species was observed at the subject property during VHB's May 9, 2019 field survey.

**Herpetofauna**

List of Species Reported for the Lawrence, New York Quadrangle Topographic Map during the New York Amphibian and Reptile Atlas Project Survey (1990-1999).

<i>Chelydra serpentina</i>	common snapping turtle
<i>Malaclemys terrapin</i>	diamondback terrapin
<i>Podarcis sicula</i>	Italian wall lizard
<i>Storeria dekayi</i>	brown snake



# Historical Results By Count

Printout Date: 8/28/2019

<b>Count Name:</b> L.I.: Southern Nassau County	<b>Count Code:</b> NYSN
<b>Latitude/Longitude:</b> 40.6298040000/-73.5906570000	

## Weather

Year	Low Temp.	High Temp.	AM Clouds	PM Clouds	AM Rain	PM Rain	AM Snow	PM Snow
118	18.0 Fahrenheit	26.0 Fahrenheit	Cloudy	Cloudy	None	None	Light	Light

## Effort

Year	Count Date	Num. Participants	Num. Hours	Num. Species Reported
118	12/30/2017	87	215.25	131

## Sponsoring Organization

Year	Sponsoring Organization
118	

## Checklist

Species	Year	2017 [118] Count Date: 12/30/2017 # Participants: 88 # Species Reported: 131 Total Hrs.: 215.25
Snow Goose [Chen caerulescens]	Number:	11
	Num/Party Hrs.:	0.0511
	Flags:	
Brant (Atlantic) [Branta bernicla hrota]	Number:	18607
	Num/Party Hrs.:	86.4437
	Flags:	LC,
Cackling Goose [Branta hutchinsii]	Number:	2
	Num/Party Hrs.:	0.0093
	Flags:	
Canada Goose [Branta canadensis]	Number:	5693
	Num/Party Hrs.:	26.4483
	Flags:	
Mute Swan [Cygnus olor]	Number:	54
	Num/Party Hrs.:	0.2509
	Flags:	LC,

## Historical Results By Count

Printout Date: 8/28/2019

Species	Year	2017 [118] Count Date: 12/30/2017 # Participants: 88 # Species Reported: 131 Total Hrs.: 215.25
Gadwall [Anas strepera]	Number:	190
	Num/Party Hrs.:	0.8827
	Flags:	
American Wigeon [Anas americana]	Number:	30
	Num/Party Hrs.:	0.1394
	Flags:	LC,
American Black Duck [Anas rubripes]	Number:	2213
	Num/Party Hrs.:	10.2811
	Flags:	LC,
Mallard [Anas platyrhynchos]	Number:	2108
	Num/Party Hrs.:	9.7933
	Flags:	
American Black Duck x Mallard (hybrid) [Anas rubripes x platyrhynchos]	Number:	6
	Num/Party Hrs.:	0.0279
	Flags:	
Northern Shoveler [Anas clypeata]	Number:	126
	Num/Party Hrs.:	0.5854
	Flags:	LC,
Northern Pintail [Anas acuta]	Number:	18
	Num/Party Hrs.:	0.0836
	Flags:	LC,
Green-winged Teal [Anas crecca]	Number:	124
	Num/Party Hrs.:	0.5761
	Flags:	
Redhead [Aythya americana]	Number:	cw
	Num/Party Hrs.:	0.0000
	Flags:	
Ring-necked Duck [Aythya collaris]	Number:	29
	Num/Party Hrs.:	0.1347
	Flags:	LC,
Greater Scaup [Aythya marila]	Number:	2810
	Num/Party Hrs.:	13.0546
	Flags:	

## Historical Results By Count

Printout Date: 8/28/2019

Species	Year	2017 [118] Count Date: 12/30/2017 # Participants: 88 # Species Reported: 131 Total Hrs.: 215.25
Lesser Scaup [Aythya affinis]	Number:	143
	Num/Party Hrs.:	0.6643
	Flags:	
Greater/Lesser Scaup [Aythya marila/affinis]	Number:	489
	Num/Party Hrs.:	2.2718
	Flags:	
King Eider [Somateria spectabilis]	Number:	2
	Num/Party Hrs.:	0.0093
	Flags:	
Common Eider [Somateria mollissima]	Number:	202
	Num/Party Hrs.:	0.9384
	Flags:	
Harlequin Duck [Histrionicus histrionicus]	Number:	7
	Num/Party Hrs.:	0.0325
	Flags:	
Surf Scoter [Melanitta perspicillata]	Number:	22
	Num/Party Hrs.:	0.1022
	Flags:	
White-winged Scoter [Melanitta fusca]	Number:	71
	Num/Party Hrs.:	0.3298
	Flags:	
Black Scoter [Melanitta americana]	Number:	335
	Num/Party Hrs.:	1.5563
	Flags:	
Long-tailed Duck [Clangula hyemalis]	Number:	926
	Num/Party Hrs.:	4.3020
	Flags:	
Bufflehead [Bucephala albeola]	Number:	451
	Num/Party Hrs.:	2.0952
	Flags:	
Common Goldeneye [Bucephala clangula]	Number:	13
	Num/Party Hrs.:	0.0604
	Flags:	

## Historical Results By Count

Printout Date: 8/28/2019

Species	Year	2017 [118] Count Date: 12/30/2017 # Participants: 88 # Species Reported: 131 Total Hrs.: 215.25
Hooded Merganser [Lophodytes cucullatus]	Number:	714
	Num/Party Hrs.:	3.3171
	Flags:	LC,
Common Merganser [Mergus merganser]	Number:	54
	Num/Party Hrs.:	0.2509
	Flags:	
Red-breasted Merganser [Mergus serrator]	Number:	2480
	Num/Party Hrs.:	11.5215
	Flags:	
Ruddy Duck [Oxyura jamaicensis]	Number:	160
	Num/Party Hrs.:	0.7433
	Flags:	LC,
Red-throated Loon [Gavia stellata]	Number:	749
	Num/Party Hrs.:	3.4797
	Flags:	
Common Loon [Gavia immer]	Number:	227
	Num/Party Hrs.:	1.0546
	Flags:	
Pied-billed Grebe [Podilymbus podiceps]	Number:	12
	Num/Party Hrs.:	0.0557
	Flags:	LC,
Horned Grebe [Podiceps auritus]	Number:	56
	Num/Party Hrs.:	0.2602
	Flags:	
Red-necked Grebe [Podiceps grisegena]	Number:	1
	Num/Party Hrs.:	0.0046
	Flags:	
Eared Grebe [Podiceps nigricollis]	Number:	1
	Num/Party Hrs.:	0.0046
	Flags:	US,
Northern Gannet [Morus bassanus]	Number:	96
	Num/Party Hrs.:	0.4460
	Flags:	

## Historical Results By Count

Printout Date: 8/28/2019

Species	Year	2017 [118] Count Date: 12/30/2017 # Participants: 88 # Species Reported: 131 Total Hrs.: 215.25
Double-crested Cormorant [Phalacrocorax auritus]	Number:	110
	Num/Party Hrs.:	0.5110
	Flags:	
Great Cormorant [Phalacrocorax carbo]	Number:	4
	Num/Party Hrs.:	0.0186
	Flags:	
American Bittern [Botaurus lentiginosus]	Number:	cw
	Num/Party Hrs.:	0.0000
	Flags:	
Great Blue Heron (Blue form) [Ardea herodias [herodias Group]]	Number:	58
	Num/Party Hrs.:	0.2695
	Flags:	LC,
Great Egret [Ardea alba]	Number:	5
	Num/Party Hrs.:	0.0232
	Flags:	
Black-crowned Night-Heron [Nycticorax nycticorax]	Number:	60
	Num/Party Hrs.:	0.2787
	Flags:	
Yellow-crowned Night-Heron [Nyctanassa violacea]	Number:	2
	Num/Party Hrs.:	0.0093
	Flags:	
Northern Harrier [Circus cyaneus]	Number:	23
	Num/Party Hrs.:	0.1069
	Flags:	
Sharp-shinned Hawk [Accipiter striatus]	Number:	9
	Num/Party Hrs.:	0.0418
	Flags:	
Cooper's Hawk [Accipiter cooperii]	Number:	11
	Num/Party Hrs.:	0.0511
	Flags:	
Accipiter sp. [Accipiter sp.]	Number:	2
	Num/Party Hrs.:	0.0093
	Flags:	

## Historical Results By Count

Printout Date: 8/28/2019

Species	Year	2017 [118] Count Date: 12/30/2017 # Participants: 88 # Species Reported: 131 Total Hrs.: 215.25
Bald Eagle [Haliaeetus leucocephalus]	Number:	2
	Num/Party Hrs.:	0.0093
	Flags:	
Red-tailed Hawk [Buteo jamaicensis]	Number:	20
	Num/Party Hrs.:	0.0929
	Flags:	LC,
Rough-legged Hawk [Buteo lagopus]	Number:	1
	Num/Party Hrs.:	0.0046
	Flags:	US,
Clapper Rail [Rallus crepitans]	Number:	1
	Num/Party Hrs.:	0.0046
	Flags:	US,
American Coot [Fulica americana]	Number:	28
	Num/Party Hrs.:	0.1301
	Flags:	LC,
Black-bellied Plover [Pluvialis squatarola]	Number:	80
	Num/Party Hrs.:	0.3717
	Flags:	
Killdeer [Charadrius vociferus]	Number:	9
	Num/Party Hrs.:	0.0418
	Flags:	
Greater Yellowlegs [Tringa melanoleuca]	Number:	10
	Num/Party Hrs.:	0.0465
	Flags:	
Lesser Yellowlegs [Tringa flavipes]	Number:	2
	Num/Party Hrs.:	0.0093
	Flags:	US,
Ruddy Turnstone [Arenaria interpres]	Number:	17
	Num/Party Hrs.:	0.0790
	Flags:	
Red Knot [Calidris canutus]	Number:	2
	Num/Party Hrs.:	0.0093
	Flags:	

## Historical Results By Count

Printout Date: 8/28/2019

Species	Year	2017 [118] Count Date: 12/30/2017 # Participants: 88 # Species Reported: 131 Total Hrs.: 215.25
Sanderling [Calidris alba]	Number:	95
	Num/Party Hrs.:	0.4413
	Flags:	LC,
Dunlin [Calidris alpina]	Number:	921
	Num/Party Hrs.:	4.2787
	Flags:	LC,
Purple Sandpiper [Calidris maritima]	Number:	30
	Num/Party Hrs.:	0.1394
	Flags:	
Wilson's Snipe [Gallinago delicata]	Number:	1
	Num/Party Hrs.:	0.0046
	Flags:	
American Woodcock [Scolopax minor]	Number:	3
	Num/Party Hrs.:	0.0139
	Flags:	
Razorbill [Alca torda]	Number:	1
	Num/Party Hrs.:	0.0046
	Flags:	
Bonaparte's Gull [Chroicocephalus philadelphia]	Number:	135
	Num/Party Hrs.:	0.6272
	Flags:	
Ring-billed Gull [Larus delawarensis]	Number:	2416
	Num/Party Hrs.:	11.2242
	Flags:	
Herring Gull [Larus argentatus]	Number:	2789
	Num/Party Hrs.:	12.9570
	Flags:	LC,
Iceland Gull [Larus glaucooides]	Number:	1
	Num/Party Hrs.:	0.0046
	Flags:	
Great Black-backed Gull [Larus marinus]	Number:	228
	Num/Party Hrs.:	1.0592
	Flags:	LC,

## Historical Results By Count

Printout Date: 8/28/2019

Species	Year	2017 [118] Count Date: 12/30/2017 # Participants: 88 # Species Reported: 131 Total Hrs.: 215.25
Rock Pigeon (Feral Pigeon) [Columba livia (Feral Pigeon)]	Number:	1092
	Num/Party Hrs.:	5.0732
	Flags:	
Mourning Dove [Zenaida macroura]	Number:	265
	Num/Party Hrs.:	1.2311
	Flags:	
Eastern Screech-Owl [Megascops asio]	Number:	3
	Num/Party Hrs.:	0.0139
	Flags:	
Great Horned Owl [Bubo virginianus]	Number:	5
	Num/Party Hrs.:	0.0232
	Flags:	HC,
Snowy Owl [Bubo scandiacus]	Number:	3
	Num/Party Hrs.:	0.0139
	Flags:	
Short-eared Owl [Asio flammeus]	Number:	1
	Num/Party Hrs.:	0.0046
	Flags:	
Northern Saw-whet Owl [Aegolius acadicus]	Number:	1
	Num/Party Hrs.:	0.0046
	Flags:	US,
Belted Kingfisher [Megaceryle alcyon]	Number:	15
	Num/Party Hrs.:	0.0697
	Flags:	
Red-bellied Woodpecker [Melanerpes carolinus]	Number:	47
	Num/Party Hrs.:	0.2184
	Flags:	
Yellow-bellied Sapsucker [Sphyrapicus varius]	Number:	16
	Num/Party Hrs.:	0.0743
	Flags:	HC,
Downy Woodpecker [Picoides pubescens]	Number:	75
	Num/Party Hrs.:	0.3484
	Flags:	



## Historical Results By Count

Printout Date: 8/28/2019

Species	Year	2017 [118] Count Date: 12/30/2017 # Participants: 88 # Species Reported: 131 Total Hrs.: 215.25
Hairy Woodpecker [Picoides villosus]	Number:	13
	Num/Party Hrs.:	0.0604
	Flags:	
Northern Flicker [Colaptes auratus]	Number:	50
	Num/Party Hrs.:	0.2323
	Flags:	
American Kestrel [Falco sparverius]	Number:	4
	Num/Party Hrs.:	0.0186
	Flags:	HC,
Merlin [Falco columbarius]	Number:	5
	Num/Party Hrs.:	0.0232
	Flags:	
Peregrine Falcon [Falco peregrinus]	Number:	8
	Num/Party Hrs.:	0.0372
	Flags:	LC,
Monk Parakeet [Myiopsitta monachus]	Number:	290
	Num/Party Hrs.:	1.3473
	Flags:	HC,
Blue Jay [Cyanocitta cristata]	Number:	131
	Num/Party Hrs.:	0.6086
	Flags:	
American Crow [Corvus brachyrhynchos]	Number:	300
	Num/Party Hrs.:	1.3937
	Flags:	
Fish Crow [Corvus ossifragus]	Number:	2353
	Num/Party Hrs.:	10.9315
	Flags:	HC,
crow sp. [Corvus sp. (crow sp.)]	Number:	4
	Num/Party Hrs.:	0.0186
	Flags:	
Common Raven [Corvus corax]	Number:	2
	Num/Party Hrs.:	0.0093
	Flags:	

## Historical Results By Count

Printout Date: 8/28/2019

Species	Year	2017 [118] Count Date: 12/30/2017 # Participants: 88 # Species Reported: 131 Total Hrs.: 215.25
Horned Lark [Eremophila alpestris]	Number:	266
	Num/Party Hrs.:	1.2358
	Flags:	
Tree Swallow [Tachycineta bicolor]	Number:	6
	Num/Party Hrs.:	0.0279
	Flags:	
Black-capped Chickadee [Poecile atricapillus]	Number:	88
	Num/Party Hrs.:	0.4088
	Flags:	
Tufted Titmouse [Baeolophus bicolor]	Number:	20
	Num/Party Hrs.:	0.0929
	Flags:	
Red-breasted Nuthatch [Sitta canadensis]	Number:	6
	Num/Party Hrs.:	0.0279
	Flags:	
White-breasted Nuthatch [Sitta carolinensis]	Number:	25
	Num/Party Hrs.:	0.1161
	Flags:	
Brown Creeper [Certhia americana]	Number:	7
	Num/Party Hrs.:	0.0325
	Flags:	
Winter Wren [Troglodytes hiemalis]	Number:	23
	Num/Party Hrs.:	0.1069
	Flags:	
Carolina Wren [Thryothorus ludovicianus]	Number:	54
	Num/Party Hrs.:	0.2509
	Flags:	
Golden-crowned Kinglet [Regulus satrapa]	Number:	26
	Num/Party Hrs.:	0.1208
	Flags:	
Ruby-crowned Kinglet [Regulus calendula]	Number:	5
	Num/Party Hrs.:	0.0232
	Flags:	

## Historical Results By Count

Printout Date: 8/28/2019

Species	Year	2017 [118] Count Date: 12/30/2017 # Participants: 88 # Species Reported: 131 Total Hrs.: 215.25
Hermit Thrush [Catharus guttatus]	Number:	9
	Num/Party Hrs.:	0.0418
	Flags:	
American Robin [Turdus migratorius]	Number:	705
	Num/Party Hrs.:	3.2753
	Flags:	
Gray Catbird [Dumetella carolinensis]	Number:	15
	Num/Party Hrs.:	0.0697
	Flags:	
Brown Thrasher [Toxostoma rufum]	Number:	2
	Num/Party Hrs.:	0.0093
	Flags:	
Northern Mockingbird [Mimus polyglottos]	Number:	144
	Num/Party Hrs.:	0.6690
	Flags:	
European Starling [Sturnus vulgaris]	Number:	1827
	Num/Party Hrs.:	8.4878
	Flags:	LC,
Cedar Waxwing [Bombycilla cedrorum]	Number:	2
	Num/Party Hrs.:	0.0093
	Flags:	
Lapland Longspur [Calcarius lapponicus]	Number:	5
	Num/Party Hrs.:	0.0232
	Flags:	
Snow Bunting [Plectrophenax nivalis]	Number:	303
	Num/Party Hrs.:	1.4077
	Flags:	
Northern Waterthrush [Parkesia noveboracensis]	Number:	1
	Num/Party Hrs.:	0.0046
	Flags:	US,
Orange-crowned Warbler [Oreothlypis celata]	Number:	2
	Num/Party Hrs.:	0.0093
	Flags:	

## Historical Results By Count

Printout Date: 8/28/2019

Species	Year	2017 [118] Count Date: 12/30/2017 # Participants: 88 # Species Reported: 131 Total Hrs.: 215.25
Palm Warbler [Setophaga palmarum]	Number:	1
	Num/Party Hrs.:	0.0046
	Flags:	
Yellow-rumped Warbler (Myrtle) [Setophaga coronata coronata]	Number:	475
	Num/Party Hrs.:	2.2067
	Flags:	
American Tree Sparrow [Spizelloides arborea]	Number:	81
	Num/Party Hrs.:	0.3763
	Flags:	
Chipping Sparrow [Spizella passerina]	Number:	1
	Num/Party Hrs.:	0.0046
	Flags:	
Field Sparrow [Spizella pusilla]	Number:	2
	Num/Party Hrs.:	0.0093
	Flags:	
Fox Sparrow [Passerella iliaca]	Number:	20
	Num/Party Hrs.:	0.0929
	Flags:	
Dark-eyed Junco [Junco hyemalis]	Number:	96
	Num/Party Hrs.:	0.4460
	Flags:	
White-crowned Sparrow [Zonotrichia leucophrys]	Number:	1
	Num/Party Hrs.:	0.0046
	Flags:	
White-throated Sparrow [Zonotrichia albicollis]	Number:	392
	Num/Party Hrs.:	1.8211
	Flags:	
Savannah Sparrow [Passerculus sandwichensis]	Number:	38
	Num/Party Hrs.:	0.1765
	Flags:	
Savannah Sparrow (Ipswich) [Passerculus sandwichensis princeps]	Number:	36
	Num/Party Hrs.:	0.1672
	Flags:	HC,

## Historical Results By Count

Printout Date: 8/28/2019

Species	Year	2017 [118] Count Date: 12/30/2017 # Participants: 88 # Species Reported: 131 Total Hrs.: 215.25
Song Sparrow [Melospiza melodia]	Number:	527
	Num/Party Hrs.:	2.4483
	Flags:	
Swamp Sparrow [Melospiza georgiana]	Number:	20
	Num/Party Hrs.:	0.0929
	Flags:	
Eastern Towhee [Pipilo erythrophthalmus]	Number:	2
	Num/Party Hrs.:	0.0093
	Flags:	
Northern Cardinal [Cardinalis cardinalis]	Number:	287
	Num/Party Hrs.:	1.3333
	Flags:	
Red-winged Blackbird [Agelaius phoeniceus]	Number:	17
	Num/Party Hrs.:	0.0790
	Flags:	
Rusty Blackbird [Euphagus carolinus]	Number:	31
	Num/Party Hrs.:	0.1440
	Flags:	HC,
Common Grackle [Quiscalus quiscula]	Number:	302
	Num/Party Hrs.:	1.4030
	Flags:	
Boat-tailed Grackle [Quiscalus major]	Number:	243
	Num/Party Hrs.:	1.1289
	Flags:	HC,
Brown-headed Cowbird [Molothrus ater]	Number:	23
	Num/Party Hrs.:	0.1069
	Flags:	
House Finch [Haemorhous mexicanus]	Number:	158
	Num/Party Hrs.:	0.7340
	Flags:	
American Goldfinch [Spinus tristis]	Number:	106
	Num/Party Hrs.:	0.4925
	Flags:	

## Historical Results By Count

Printout Date: 8/28/2019

Species	Year	2017 [118] Count Date: 12/30/2017 # Participants: 88 # Species Reported: 131 Total Hrs.: 215.25
House Sparrow [Passer domesticus]	Number:	1439
	Num/Party Hrs.:	6.6852
	Flags:	

### Compiler(s)

Year	First Name	Last Name	Email	Is Primary Compiler
118	Patricia	Lindsay	pjlindsay@optonline.net	Yes
118	Shai	Mitra	shaibal.mitra@csi.cuny.edu	No

### Participants(s)

Year	First Name	Last Name
118	John	Askildsen
118	Seth	Ausubel
118	Nina	Bai
118	Andrew	Baksh
118	Ed	Becher
118	Bill	Belford
118	Gail	Benson
118	Bob	Berlingeri
118	Mary Beth	Billerman
118	Shawn	Billerman
118	Kelli	Bochnik
118	Michael	Bochnik
118	Brent	Bomkamp
118	Marc	Brody
118	Sharon	Brody
118	Blair	Broughton
118	James	Browne
118	Tom	Burke
118	Sean	Camillieri
118	Louis	DeMarco
118	Joseph	DiCostanzo
118	Chris	Eliot
118	Michael	Farina
118	Kim	Fessler

## Historical Results By Count

Printout Date: 8/28/2019

118	Ken	Feustel
118	Sue	Feustel
118	Brendan	Fogarty
118	Doug	Futuyma
118	John	Gaglione
118	Joe	Giunta
118	Jeff	Glassberg
118	John	Gluth
118	Maryanne	Gray
118	Richard	Haimes
118	Bill	Hanley
118	Kathy	Hart
118	David	Havens
118	Tim	Healy
118	Bill	Hollweg
118	Sam	Jannazzo
118	Joe	Landesberg
118	Kevin	Lindemann
118	Patricia	Lindsay
118	Jean	Loscalzo
118	Ethan	Maitra
118	Paul	Matulonis
118	Michael	McBrien
118	Mike	McBrien
118	Alice	McInerney
118	Joseph	McManus
118	Kurt	Meyerheinrich
118	Stacey	Meyerheinrich
118	Eric	Miller
118	Shai	Mitra
118	Pete	Morris
118	Glenn	Mullen
118	Debbie	Mullins
118	Melissa	Murgittroyd
118	Ernst	Mutchnick
118	Farah	Mutchnick
118	Stephan	Mutchnick
118	Mary	Normandia

## Historical Results By Count

Printout Date: 8/28/2019

118	Susan	Norris-Davis
118	Daisy	Paul
118	Peter	Paul
118	Bob	Paxton
118	Justin	Pellegrino
118	Stephane	Perreault
118	Sarah	Plimpton
118	Tom	Preston
118	Bob	Proniewych
118	Phil	Ribolow
118	Steve	Schellenger
118	Seymour	Schiff
118	Vicki	Seabrook
118	Robert	Shriber
118	David	Sime
118	Sean	Sime
118	Darren	Sinnof
118	John & Muriel	Stahl
118	Taylor	Sturm
118	Harry	Taylor
118	Benjamin	Van Doren
118	Joe	Viglietta
118	Laura	Weir
118	Chee	Yong
118	Michael	Yuan
118	John	Zarudsky



# eBird Field Checklist

## North Woodmere Park

Nassau, New York, US

[ebird.org/hotspot/L3514361](http://ebird.org/hotspot/L3514361)

79 species (+4 other taxa) - Year-round,  
All Years

**Date:** \_\_\_\_\_  
**Start Time:** \_\_\_\_\_  
**Duration:** \_\_\_\_\_  
**Distance:** \_\_\_\_\_  
**Party Size:** \_\_\_\_\_  
**Notes:** \_\_\_\_\_

This checklist is generated with data from eBird ([ebird.org](http://ebird.org)), a global database of bird sightings from birders like you. If you enjoy this checklist, please consider contributing your sightings to eBird. It is 100% free to take part, and your observations will help support birders, researchers, and conservationists worldwide.

Go to [ebird.org](http://ebird.org) to learn more!

### Waterfowl

- \_\_\_ Brant *Branta bernicla*
- \_\_\_ Canada Goose *Branta canadensis*
- \_\_\_ Mute Swan *Cygnus olor*
- \_\_\_ Gadwall *Mareca strepera*
- \_\_\_ American Wigeon *Mareca americana*
- \_\_\_ Mallard *Anas platyrhynchos*
- \_\_\_ American Black Duck *Anas rubripes*
- \_\_\_ Redhead *Aythya americana*
- \_\_\_ Greater Scaup *Aythya marila*
- \_\_\_ Lesser Scaup *Aythya affinis*
- \_\_\_ Bufflehead *Bucephala albeola*
- \_\_\_ Hooded Merganser *Lophodytes cucullatus*
- \_\_\_ Common Merganser *Mergus merganser*
- \_\_\_ Red-breasted Merganser *Mergus serrator*
- \_\_\_ Ruddy Duck *Oxyura jamaicensis*
- \_\_\_ duck sp. *Anatinae* sp.

### Grebes

- \_\_\_ Pied-billed Grebe *Podilymbus podiceps*
- \_\_\_ Horned Grebe *Podiceps auritus*
- \_\_\_ Red-necked Grebe *Podiceps grisegena*

### Pigeons and Doves

- \_\_\_ Rock Pigeon *Columba livia*
- \_\_\_ Mourning Dove *Zenaidura macroura*

### Shorebirds

- \_\_\_ Killdeer *Charadrius vociferus*
- \_\_\_ Least Sandpiper *Calidris minutilla*
- \_\_\_ Spotted Sandpiper *Actitis macularius*
- \_\_\_ Greater Yellowlegs *Tringa melanoleuca*
- \_\_\_ Willet *Tringa semipalmata*

- \_\_\_ shorebird sp. *Charadriiformes* sp.

### Gulls, Terns, and Skimmers

- \_\_\_ Laughing Gull *Leucophaeus atricilla*
- \_\_\_ Ring-billed Gull *Larus delawarensis*
- \_\_\_ Herring Gull *Larus argentatus*
- \_\_\_ Great Black-backed Gull *Larus marinus*
- \_\_\_ gull sp. *Larinae* sp.
- \_\_\_ Least Tern *Sternula antillarum*
- \_\_\_ Common Tern *Sterna hirundo*
- \_\_\_ Forster's Tern *Sterna forsteri*
- \_\_\_ Black Skimmer *Rynchops niger*

### Loons

- \_\_\_ Red-throated Loon *Gavia stellata*

### Cormorants and Anhingas

- \_\_\_ Great Cormorant *Phalacrocorax carbo*
- \_\_\_ Double-crested Cormorant *Phalacrocorax auritus*

### Herons, Ibis, and Allies

- \_\_\_ Great Blue Heron *Ardea herodias*
- \_\_\_ Great Egret *Ardea alba*
- \_\_\_ Snowy Egret *Egretta thula*
- \_\_\_ Black-crowned Night-Heron *Nycticorax nycticorax*
- \_\_\_ Yellow-crowned Night-Heron *Nyctanassa violacea*
- \_\_\_ Glossy Ibis *Plegadis falcinellus*

### Vultures, Hawks, and Allies

- \_\_\_ Osprey *Pandion haliaetus*
- \_\_\_ Sharp-shinned Hawk *Accipiter striatus*
- \_\_\_ Cooper's Hawk *Accipiter cooperii*
- \_\_\_ Bald Eagle *Haliaeetus leucocephalus*
- \_\_\_ Red-tailed Hawk *Buteo jamaicensis*

**Owls**

\_\_\_ Great Horned Owl *Bubo virginianus*

**Kingfishers**

\_\_\_ Belted Kingfisher *Megasceryle alcyon*

**Woodpeckers**

\_\_\_ Red-bellied Woodpecker *Melanerpes carolinus*

\_\_\_ Downy Woodpecker *Dryobates pubescens*

\_\_\_ Northern Flicker *Colaptes auratus*

**Falcons and Caracaras**

\_\_\_ Peregrine Falcon *Falco peregrinus*

**Parrots, Parakeets, and Allies**

\_\_\_ Monk Parakeet *Myiopsitta monachus*

**Jays, Magpies, Crows, and Ravens**

\_\_\_ Blue Jay *Cyanocitta cristata*

\_\_\_ American Crow *Corvus brachyrhynchos*

\_\_\_ Fish Crow *Corvus ossifragus*

\_\_\_ crow sp. *Corvus sp. (crow sp.)*

\_\_\_ Common Raven *Corvus corax*

**Tits, Chickadees, and Titmice**

\_\_\_ Black-capped Chickadee *Poecile atricapillus*

**Martins and Swallows**

\_\_\_ Barn Swallow *Hirundo rustica*

**Nuthatches**

\_\_\_ White-breasted Nuthatch *Sitta carolinensis*

**Wrens**

\_\_\_ Carolina Wren *Thryothorus ludovicianus*

**Starlings and Mynas**

\_\_\_ European Starling *Sturnus vulgaris*

**Catbirds, Mockingbirds, and Thrashers**

\_\_\_ Northern Mockingbird *Mimus polyglottos*

**Thrushes**

\_\_\_ American Robin *Turdus migratorius*

**Waxwings**

\_\_\_ Cedar Waxwing *Bombycilla cedrorum*

**Old World Sparrows**

\_\_\_ House Sparrow *Passer domesticus*

**Finches, Euphonias, and Allies**

\_\_\_ House Finch *Haemorhous mexicanus*

**New World Sparrows**

\_\_\_ Chipping Sparrow *Spizella passerina*

\_\_\_ Dark-eyed Junco *Junco hyemalis*

\_\_\_ White-throated Sparrow *Zonotrichia albicollis*

\_\_\_ Song Sparrow *Melospiza melodia*

\_\_\_ Swamp Sparrow *Melospiza georgiana*

**Blackbirds**

\_\_\_ Red-winged Blackbird *Agelaius phoeniceus*

\_\_\_ Brown-headed Cowbird *Molothrus ater*

\_\_\_ Common Grackle *Quiscalus quiscula*

\_\_\_ Boat-tailed Grackle *Quiscalus major*

**Wood-Warblers**

\_\_\_ Yellow Warbler *Setophaga petechia*

**Cardinals, Grosbeaks, and Allies**

\_\_\_ Northern Cardinal *Cardinalis cardinalis*

This field checklist was generated using eBird (ebird.org)



Department of  
Environmental  
Conservation

# NYS Breeding Bird Atlas

## Block 6049A

### 2000-2005



#### Navigation Tools

[Perform Another Search](#)  
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[View 1985 Data](#)

#### Block 6049A Summary

Total Species: 53  
 Possible: 10  
 Probable: 10  
 Confirmed: 33

Click on column heading to sort by that category.

#### List of Species Breeding in Atlas Block 6049A

Common Name	Scientific Name	Behavior Code	Date	NY Legal Status
Red-winged Blackbird	<i>Agelaius phoeniceus</i>	FY	7/29/2000	Protected
Mallard	<i>Anas platyrhynchos</i>	FL	7/15/2000	Game Species
American Black Duck	<i>Anas rubripes</i>	P2	6/23/2002	Game Species
Gadwall	<i>Anas strepera</i>	P2	6/5/2004	Game Species
Great Egret	<i>Ardea alba</i>	X1	7/1/2000	Protected
Tufted Titmouse	<i>Baeolophus bicolor</i>	FY	7/18/2004	Protected
Cedar Waxwing	<i>Bombycilla cedrorum</i>	ON	6/12/2004	Protected
Canada Goose	<i>Branta canadensis</i>	NE	5/11/2001	Game Species
Northern Cardinal	<i>Cardinalis cardinalis</i>	NY	7/15/2000	Protected
House Finch	<i>Carpodacus mexicanus</i>	FY	7/15/2000	Protected
Killdeer	<i>Charadrius vociferus</i>	FL	6/22/2003	Protected
Marsh Wren	<i>Cistothorus palustris</i>	X1	6/2/2002	Protected
Northern Flicker	<i>Colaptes auratus</i>	FY	7/17/2004	Protected
Rock Pigeon	<i>Columba livia</i>	NE	5/22/2003	Unprotected
American Crow	<i>Corvus brachyrhynchos</i>	ON	6/2/2002	Game Species
Fish Crow	<i>Corvus ossifragus</i>	FY	7/14/2001	Protected

Blue Jay	<i>Cyanocitta cristata</i>	NY	7/14/2001	Protected
Mute Swan	<i>Cygnus olor</i>	FL	7/13/2002	Protected
Yellow Warbler	<i>Dendroica petechia</i>	FY	7/24/2004	Protected
Gray Catbird	<i>Dumetella carolinensis</i>	ON	6/2/2002	Protected
Snowy Egret	<i>Egretta thula</i>	X1	7/1/2000	Protected
Common Yellowthroat	<i>Geothlypis trichas</i>	ON	6/13/2004	Protected
Barn Swallow	<i>Hirundo rustica</i>	NY	7/17/2004	Protected
Baltimore Oriole	<i>Icterus galbula</i>	X1	7/15/2000	Protected
Belted Kingfisher	<i>Megaceryle alcyon</i>	N2	6/8/2003	Protected
Red-bellied Woodpecker	<i>Melanerpes carolinus</i>	X1	7/15/2000	Protected
Song Sparrow	<i>Melospiza melodia</i>	NY	7/13/2002	Protected
Northern Mockingbird	<i>Mimus polyglottos</i>	FY	7/15/2000	Protected
Brown-headed Cowbird	<i>Molothrus ater</i>	FL	7/24/2004	Protected
Yellow-crowned Night-Heron	<i>Nyctanassa violacea</i>	B2	4/17/2002	Protected
Black-crowned Night-Heron	<i>Nycticorax nycticorax</i>	P2	6/6/2004	Protected
Osprey	<i>Pandion haliaetus</i>	X1	7/15/2000	Protected-Special Concern
House Sparrow	<i>Passer domesticus</i>	NY	7/1/2000	Unprotected
Downy Woodpecker	<i>Picoides pubescens</i>	ON	6/8/2003	Protected
Glossy Ibis	<i>Plegadis falcinellus</i>	X1	7/15/2000	Protected
Black-capped Chickadee	<i>Poecile atricapillus</i>	ON	6/5/2004	Protected
Boat-tailed Grackle	<i>Quiscalus major</i>	FY	7/17/2004	Protected
Common Grackle	<i>Quiscalus quiscula</i>	ON	6/17/2001	Protected
Clapper Rail	<i>Rallus longirostris</i>	P2	6/3/2001	Protected
Bank Swallow	<i>Riparia riparia</i>	B2	7/1/2000	Protected
American Goldfinch	<i>Spinus tristis</i>	P2	7/7/2002	Protected
Chipping Sparrow	<i>Spizella passerina</i>	FY	7/13/2002	Protected
Eastern Meadowlark	<i>Sturnella magna</i>	X1	5/30/2004	Protected
European Starling	<i>Sturnus vulgaris</i>	NY	7/15/2000	Unprotected
Tree Swallow	<i>Tachycineta bicolor</i>	NY	7/15/2000	Protected
Carolina Wren	<i>Thryothorus ludovicianus</i>	S2	7/15/2000	Protected

Brown Thrasher	<i>Toxostoma rufum</i>	X1	7/15/2000	Protected
Willet	<i>Tringa semipalmata</i>	ON	6/23/2002	Protected
House Wren	<i>Troglodytes aedon</i>	ON	6/8/2003	Protected
American Robin	<i>Turdus migratorius</i>	FY	7/15/2000	Protected
Eastern Kingbird	<i>Tyrannus tyrannus</i>	ON	6/23/2002	Protected
Red-eyed Vireo	<i>Vireo olivaceus</i>	X1	6/6/2004	Protected
Mourning Dove	<i>Zenaida macroura</i>	D2	7/15/2000	Protected

Current Date: 4/26/2019



April 29, 2019

**VIA ELECTRONIC MAIL**

Ref: 26614.00

New York State Department of Environmental Conservation  
Information Services  
New York Natural Heritage Program  
625 Broadway, 5<sup>th</sup> Floor  
Albany, NY 12233-4757

Re: NYNHP Records Request  
The Woodmere Club  
99 Meadow Drive  
Woodmere, NY 11598

To Whom it May Concern:

VHB Engineering, Surveying, Landscape Architecture and Geology, P.C. (VHB) has been retained by Woodmere Club, LLC to prepare a Draft Environmental Impact Statement (DEIS) to analyze a proposed residential subdivision at the above-referenced 114.25±-acre property (the "subject property"). The subject property is comprised of maintained lawns, artificial ponds and paved surfaces associated with site use as a private membership country club offering golf, tennis, swimming, catering and related amenities. Additionally, tidal wetlands of Woodmere Channel and Woodmere Basin occur at and adjacent to the subject property.

To ensure that the DEIS will identify and evaluate all potentially significant issues, we are submitting this request for copies of any New York Natural Heritage Program (NYNHP) records for rare plants, animals, natural communities or significant wildlife habitats at or in the vicinity of the subject property.

For your reference, an excerpt of the United States Geological Survey Topographic Map (Lawrence and Lynbrook, New York Quadrangles) is enclosed, with the approximate subject property boundaries noted thereon.

Thank you in advance for your assistance. If additional information is required, or if you have any questions, please do not hesitate to contact me at (631) 787-3400 or [dkennedy@vhb.com](mailto:dkennedy@vhb.com).

Sincerely,

Ref: 26614.00  
New York Natural Heritage Program  
April 29, 2019



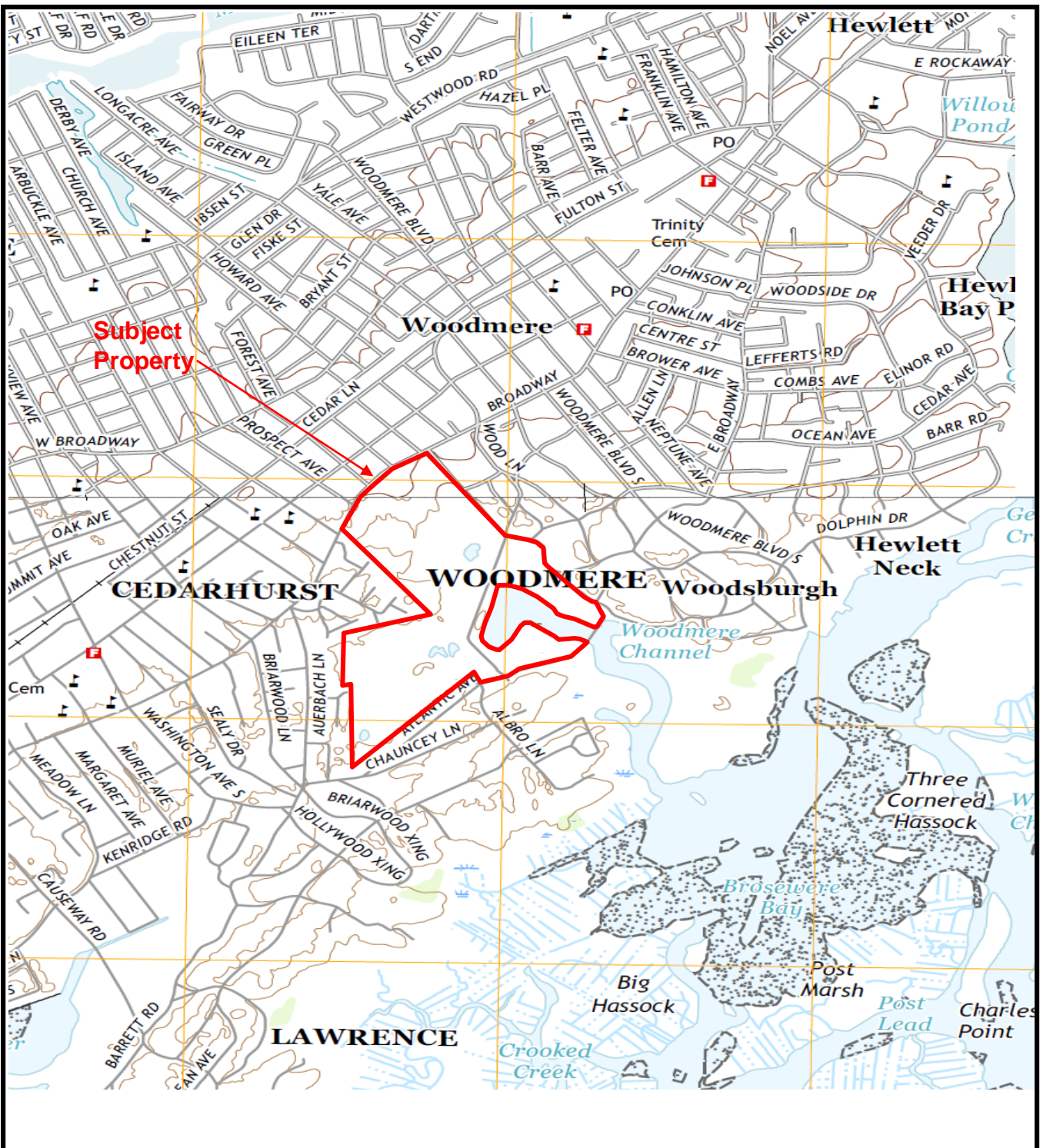
VHB Engineering, Surveying, Landscape Architecture and Geology, P.C.

A handwritten signature in blue ink, appearing to read "David Kennedy".

David Kennedy  
Project Scientist

DK/  
enc.

\\vhb\gbl\proj\Hauppauge\26046.01 Woodmere Country Club\ProjRecords\FinalDocs\NYNHP Submission\_20190429\Woodmere Club NYNHP Request Letter\_20190429\_FINAL.docx

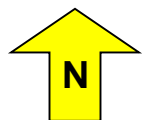


**EXCERPT OF USGS TOPOGRAPHIC MAP**

**LOCATION:** The Woodmere Club, 99 Meadow Drive, Woodmere, NY 11598

**COORDINATES:** LAT.: 40° 37' 24.47" N Lon.: 73° 42' 40.15" W

**BASE MAP SOURCE:** United States Geological Survey Topographic Map – Lawrence and Lynbrook, New York Quadrangles (2013)





# NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Division of Fish and Wildlife, New York Natural Heritage Program

625 Broadway, Fifth Floor, Albany, NY 12233-4757

P: (518) 402-8935 | F: (518) 402-8925

www.dec.ny.gov

May 29, 2019

David Kennedy  
VHB  
100 Motor Parkway, Suite 350  
Hauppauge, NY 11788

Re: The Woodmere Club -- proposed residential subdivision at 99 Meadow Drive  
County: Nassau Town/City: Hempstead

Dear Mr. Kennedy:

In response to your recent request, we have reviewed the New York Natural Heritage Program database with respect to the Woodmere Club.

Enclosed is a report of rare or state-listed animals and plants, and significant natural communities that our database indicates occur at the Woodmere Club or in its vicinity.

For most sites, comprehensive field surveys have not been conducted; the enclosed report only includes records from our database. We cannot provide a definitive statement as to the presence or absence of all rare or state-listed species or significant natural communities. Depending on the nature of future projects and the conditions at the project site, further information from on-site surveys or other sources may be required to fully assess impacts on biological resources.

Our database is continually growing as records are added and updated. If this project is still under development one year from now, we recommend that you contact us again so that we may update this response with the most current information.

The presence of the plants and animals identified in the enclosed report may result in future projects requiring additional review or permit conditions. For further guidance, and for information regarding other permits that may be required under state law for regulated areas or activities (e.g., regulated wetlands), please contact the NYS DEC Region 1 Office, Division of Environmental Permits at [dep.r1@dec.ny.gov](mailto:dep.r1@dec.ny.gov), 631-444-0365.

Sincerely,



Heidi Krahlting  
Environmental Review Specialist  
New York Natural Heritage Program



**The following rare animal and significant natural communities have been documented at the Woodmere Club, or in its vicinity.**

We recommend that potential impacts of any future proposed project on this species or communities be addressed as part of any environmental assessment or review conducted as part of the planning, permitting and approval process, such as reviews conducted under SEQR. Field surveys of future project sites may be necessary to determine the status of a species at the sites, particularly for sites that are currently undeveloped and may still contain suitable habitat. Final requirements of the project to avoid, minimize, or mitigate potential impacts are determined by the lead permitting agency or the government body approving the projects.

**The following natural communities are considered significant from a statewide perspective by the NY Natural Heritage Program. Each community is either an example of a community type that is rare in the state, or a high-quality example of a more common community type. By meeting specific, documented criteria, the NY Natural Heritage Program considers these community occurrences to have high ecological and conservation value.**

COMMON NAME	SCIENTIFIC NAME	NY STATE LISTING	HERITAGE CONSERVATION STATUS
<b>Wetland/Aquatic Communities</b>			
<b>Low Salt Marsh</b>			High-quality Occurrence of Uncommon Community Type
<p>A portion of this community has been documented at the Woodmere Club. This is a large marsh in a complex, five-bay system with variable tidal range. Some areas are unditched and appear to have adequate tide circulation.</p>			313
<b>High Salt Marsh</b>			High-quality Occurrence of Uncommon Community Type
<p>A portion of this community has been documented at the Woodmere Club. This is a large marsh in a complex system of five bays with variable tidal range. There are large concentrations of mid-lagoon marshes. The marsh is missing nearly all backbarrier fringe marsh and mainland fringe marsh due to heavy shoreline and barrier spit development.</p>			6966
<b>Salt Panne</b>			High-quality Occurrence of Uncommon Community Type
<p>A portion of this community has been documented at the Woodmere Club. This is a large salt panne in a complex system of tidal bays with variable tidal range. Two principal marsh types, backbarrier fringe marsh and mainland fringe marsh are nearly eliminated by shoreline development and barrier spit stabilization. Some areas are unditched with well-developed pannes.</p>			8325

**The following animal, while not listed by New York State as Endangered or Threatened, is rare in New York and is of conservation concern.**

COMMON NAME	SCIENTIFIC NAME	NY STATE LISTING	HERITAGE CONSERVATION STATUS
<b>Birds</b>			
<b>Yellow-crowned Night-Heron</b>	<i>Nyctanassa violacea</i>	Protected Bird	Imperiled in NYS
<i>Breeding</i>			
<p>Documented within 0.4 mile west of the Woodmere Club. 2009-04-27: The birds were observed nesting in trees in the backyards of a neighborhood.</p>			13272

This report only includes records from the NY Natural Heritage database. For most sites, comprehensive field surveys have not been conducted, and we cannot provide a definitive statement as to the presence or absence of all rare or state-listed species. Depending on the nature of the project and the conditions at the project site, further information from on-site surveys or other sources may be required to fully assess impacts on biological resources.

If any rare plants or animals are documented during site visits, we request that information on the observations be provided to the New York Natural Heritage Program so that we may update our database.

Information about many of the rare animals and plants in New York, including habitat, biology, identification, conservation, and management, are available online in Natural Heritage's Conservation Guides at [www.guides.nynhp.org](http://www.guides.nynhp.org), from NatureServe Explorer at [www.natureserve.org/explorer](http://www.natureserve.org/explorer), and from USDA's Plants Database at <http://plants.usda.gov/index.html> (for plants).

Information about many of the natural community types in New York, including identification, dominant and characteristic vegetation, distribution, conservation, and management, is available online in Natural Heritage's Conservation Guides at [www.guides.nynhp.org](http://www.guides.nynhp.org). For descriptions of all community types, go to [www.dec.ny.gov/animals/97703.html](http://www.dec.ny.gov/animals/97703.html) for Ecological Communities of New York State.

## IPaC Information for Planning and Consultation U.S. Fish & Wildlife Service

# IPaC resource list

This report is an automatically generated list of species and other resources such as critical habitat (collectively referred to as *trust resources*) under the U.S. Fish and Wildlife Service's (USFWS) jurisdiction that are known or expected to be on or near the project area referenced below. The list may also include trust resources that occur outside of the project area, but that could potentially be directly or indirectly affected by activities in the project area. However, determining the likelihood and extent of effects a project may have on trust resources typically requires gathering additional site-specific (e.g., vegetation/species surveys) and project-specific (e.g., magnitude and timing of proposed activities) information.

Below is a summary of the project information you provided and contact information for the USFWS office(s) with jurisdiction in the defined project area. Please read the introduction to each section that follows (Endangered Species, Migratory Birds, USFWS Facilities, and NWI Wetlands) for additional information applicable to the trust resources addressed in that section.

## Location

Nassau County, New York



## Local office

Long Island Ecological Services Field Office

☎ (631) 286-0485

📠 (631) 286-4003

340 Smith Road

Shirley, NY 11967-2258

# Endangered species

**This resource list is for informational purposes only and does not constitute an analysis of project level impacts.**

The primary information used to generate this list is the known or expected range of each species. Additional areas of influence (AOI) for species are also considered. An AOI includes areas outside of the species range if the species could be indirectly affected by activities in that area (e.g., placing a dam upstream of a fish population, even if that fish does not occur at the dam site, may indirectly impact the species by reducing or eliminating water flow downstream). Because species can move, and site conditions can change, the species on this list are not guaranteed to be found on or near the project area. To fully determine any potential effects to species, additional site-specific and project-specific information is often required.

Section 7 of the Endangered Species Act **requires** Federal agencies to "request of the Secretary information whether any species which is listed or proposed to be listed may be present in the area of such proposed action" for any project that is conducted, permitted, funded, or licensed by any Federal agency. A letter from the local office and a species list which fulfills this requirement can **only** be obtained by requesting an official species list from either the Regulatory Review section in IPaC (see directions below) or from the local field office directly.

For project evaluations that require USFWS concurrence/review, please return to the IPaC website and request an official species list by doing the following:

1. Draw the project location and click CONTINUE.
2. Click DEFINE PROJECT.
3. Log in (if directed to do so).
4. Provide a name and description for your project.
5. Click REQUEST SPECIES LIST.

## Listed species

<sup>1</sup> and their critical habitats are managed by the [Ecological Services Program](#) of the U.S. Fish and Wildlife Service (USFWS) and the fisheries division of the National Oceanic and Atmospheric Administration (NOAA Fisheries<sup>2</sup>).

Species and critical habitats under the sole responsibility of NOAA Fisheries are **not** shown on this list. Please contact [NOAA Fisheries](#) for [species under their jurisdiction](#).

- 
1. Species listed under the [Endangered Species Act](#) are threatened or endangered; IPaC also shows species that are candidates, or proposed, for listing. See the [listing status page](#) for more information.
  2. [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.

The following species are potentially affected by activities in this location:

## Mammals

NAME	STATUS
Northern Long-eared Bat <i>Myotis septentrionalis</i> No critical habitat has been designated for this species. <a href="https://ecos.fws.gov/ecp/species/9045">https://ecos.fws.gov/ecp/species/9045</a>	Threatened

## Birds

NAME	STATUS
Piping Plover <i>Charadrius melodus</i> There is <b>final critical</b> habitat for this species. Your location is outside the critical habitat. <a href="https://ecos.fws.gov/ecp/species/6039">https://ecos.fws.gov/ecp/species/6039</a>	Threatened
Red Knot <i>Calidris canutus rufa</i> No critical habitat has been designated for this species. <a href="https://ecos.fws.gov/ecp/species/1864">https://ecos.fws.gov/ecp/species/1864</a>	Threatened
Roseate Tern <i>Sterna dougallii dougallii</i> No critical habitat has been designated for this species. <a href="https://ecos.fws.gov/ecp/species/2083">https://ecos.fws.gov/ecp/species/2083</a>	Endangered

## Flowering Plants

NAME	STATUS
Sandplain Gerardia <i>Agalinis acuta</i> No critical habitat has been designated for this species. <a href="https://ecos.fws.gov/ecp/species/8128">https://ecos.fws.gov/ecp/species/8128</a>	Endangered
Seabeach Amaranth <i>Amaranthus pumilus</i> No critical habitat has been designated for this species. <a href="https://ecos.fws.gov/ecp/species/8549">https://ecos.fws.gov/ecp/species/8549</a>	Threatened

## Critical habitats

Potential effects to critical habitat(s) in this location must be analyzed along with the endangered species themselves.

THERE ARE NO CRITICAL HABITATS AT THIS LOCATION.

## Migratory birds

Certain birds are protected under the Migratory Bird Treaty Act

<sup>1</sup> and the Bald and Golden Eagle Protection Act<sup>2</sup>.

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](#).

1. The [Migratory Birds Treaty Act](#) of 1918.
2. The [Bald and Golden Eagle Protection Act](#) of 1940.

Additional information can be found using the following links:

- Birds of Conservation Concern <http://www.fws.gov/birds/management/managed-species/birds-of-conservation-concern.php>
- Measures for avoiding and minimizing impacts to birds <http://www.fws.gov/birds/management/project-assessment-tools-and-guidance/conservation-measures.php>
- Nationwide conservation measures for birds <http://www.fws.gov/migratorybirds/pdf/management/nationwidestandardconservationmeasures.pdf>

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 (IF A BREEDING SEASON IS INDICATED FOR A BIRD ON YOUR LIST, THE BIRD MAY BREED IN YOUR PROJECT AREA SOMETIME WITHIN THE TIMEFRAME SPECIFIED, WHICH IS A VERY LIBERAL ESTIMATE OF THE DATES INSIDE WHICH THE BIRD BREEDS ACROSS ITS ENTIRE RANGE. "BREEDS ELSEWHERE" INDICATES THAT THE BIRD DOES NOT LIKELY BREED IN YOUR PROJECT AREA.)

**American Oystercatcher** *Haematopus palliatus*

This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.

<https://ecos.fws.gov/ecp/species/8935>

Breeds Apr 15 to Aug 31

**Bald Eagle** *Haliaeetus leucocephalus*

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 Oct 15 to Aug 31

**Black Skimmer** *Rynchops niger*

This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.

<https://ecos.fws.gov/ecp/species/5234>

Breeds May 20 to Sep 15

**Bobolink** *Dolichonyx oryzivorus*

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** *Cardellina canadensis*

This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.

Breeds May 20 to Aug 10

**Clapper Rail** *Rallus crepitans*

This is a Bird of Conservation Concern (BCC) only in particular Bird Conservation Regions (BCRs) in the continental USA

Breeds Apr 10 to Oct 31

**Dunlin** *Calidris alpina arctica*

This is a Bird of Conservation Concern (BCC) only in particular Bird Conservation Regions (BCRs) in the continental USA

Breeds elsewhere



**Golden Eagle** *Aquila chrysaetos*

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/1680>

Breeds elsewhere

**Gull-billed Tern** *Gelochelidon nilotica*

This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.

<https://ecos.fws.gov/ecp/species/9501>

Breeds May 1 to Jul 31

**Least Tern** *Sterna antillarum*

This is a Bird of Conservation Concern (BCC) only in particular Bird Conservation Regions (BCRs) in the continental USA

Breeds Apr 20 to Sep 10

**Lesser Yellowlegs** *Tringa flavipes*

This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.

<https://ecos.fws.gov/ecp/species/9679>

Breeds elsewhere

**Nelson's Sparrow** *Ammodramus nelsoni*

This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.

Breeds May 15 to Sep 5

**Prairie Warbler** *Dendroica discolor*

This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.

Breeds May 1 to Jul 31

**Purple Sandpiper** *Calidris maritima*

This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.

Breeds elsewhere

**Red-throated Loon** *Gavia stellata*

This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.

Breeds elsewhere

**Ruddy Turnstone** *Arenaria interpres morinella*

This is a Bird of Conservation Concern (BCC) only in particular Bird Conservation Regions (BCRs) in the continental USA

Breeds elsewhere

**Rusty Blackbird** *Euphagus carolinus*

This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.

Breeds elsewhere

**Semipalmated Sandpiper** *Calidris pusilla*

Breeds elsewhere

This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.

**Short-billed Dowitcher** *Limnodromus griseus*

Breeds elsewhere

This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.

<https://ecos.fws.gov/ecp/species/9480>

**Snowy Owl** *Bubo scandiacus*

Breeds elsewhere

This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.

**Whimbrel** *Numenius phaeopus*

Breeds elsewhere

This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.

<https://ecos.fws.gov/ecp/species/9483>

**Willet** *Tringa semipalmata*

Breeds Apr 20 to Aug 5

This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.

**Wood Thrush** *Hylocichla mustelina*

Breeds May 10 to Aug 31

This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.

## 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 below) can be used to establish a level of confidence in the presence score. One can have higher confidence in the presence score if the corresponding survey effort is also high.

How is the probability of presence score calculated? The calculation is done in three steps:

1. The probability of presence for each week is calculated as the number of survey events in the week where the species was detected divided by the total number of survey events for that week. For example, if in week 12 there were 20 survey events and the Spotted Towhee was found in 5 of them, the probability of presence of the Spotted Towhee in week 12 is 0.25.

- To properly present the pattern of presence across the year, the relative probability of presence is calculated. This is the probability of presence divided by the maximum probability of presence across all weeks. For example, imagine the probability of presence in week 20 for the Spotted Towhee is 0.05, and that the probability of presence at week 12 (0.25) is the maximum of any week of the year. The relative probability of presence on week 12 is  $0.25/0.25 = 1$ ; at week 20 it is  $0.05/0.25 = 0.2$ .
- The relative probability of presence calculated in the previous step undergoes a statistical conversion so that all possible values fall between 0 and 10, inclusive. This is the probability of presence score.

To see a bar's probability of presence score, simply hover your mouse cursor over the bar.

**Breeding Season (■)**

Yellow bars denote a very liberal estimate of the time-frame inside which the bird breeds across its entire range. If there are no yellow bars shown for a bird, it does not breed in your project area.

**Survey Effort (|)**

Vertical black lines superimposed on probability of presence bars indicate the number of surveys performed for that species in the 10km grid cell(s) your project area overlaps. The number of surveys is expressed as a range, for example, 33 to 64 surveys.

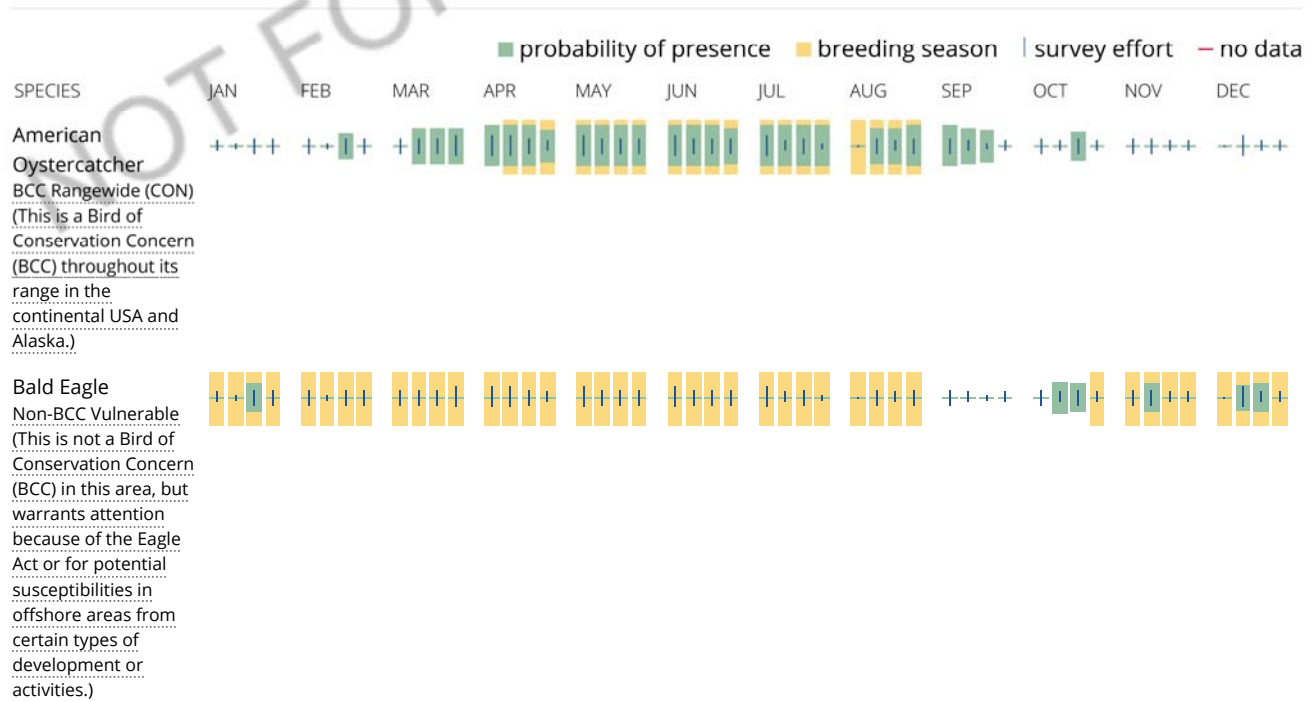
To see a bar's survey effort range, simply hover your mouse cursor over the bar.

**No Data (-)**

A week is marked as having no data if there were no survey events for that week.

**Survey Timeframe**

Surveys from only the last 10 years are used in order to ensure delivery of currently relevant information. The exception to this is areas off the Atlantic coast, where bird returns are based on all years of available data, since data in these areas is currently much more sparse.





SPECIES	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
<b>Least Tern</b> BCC - BCR (This is a Bird of Conservation Concern (BCC) only in particular Bird Conservation Regions (BCRs) in the continental USA)	++++	++++	++++	++ +	+ + +	+ + +	+ + +	- + +	+ +	++++	++++	- + +
<b>Lesser Yellowlegs</b> BCC Rangewide (CON) (This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.)	++++	++++	++++	++++	+ +	++++	+ +	- + +	++++	++++	++++	- + +
<b>Nelson's Sparrow</b> BCC Rangewide (CON) (This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.)	++++	++++	++++	++++	+ + +	+ + +	+ + +	- + + +	+ +	++ +	++++	- + +
<b>Prairie Warbler</b> BCC Rangewide (CON) (This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.)	++++	++++	++++	++++	+ + + +	+ + + +	+ + + +	- + +	++++	+ +	++++	- + +
<b>Purple Sandpiper</b> BCC Rangewide (CON) (This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.)	+ +	++ +	++++	+ + +	+ + +	++++	++++	- + +	++++	++++	++++	- + +
<b>Red-throated Loon</b> BCC Rangewide (CON) (This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.)	+ + + +	+ + + +	+ + +	+ + +	+ +	++++	++++	- + +	++++	++++	++ +	- + +
<b>Ruddy Turnstone</b> BCC - BCR (This is a Bird of Conservation Concern (BCC) only in particular Bird Conservation Regions (BCRs) in the continental USA)	++ +	++++	++++	++++	++ + +	++++	++ +	- + + +	+ +	++++	++++	- + +





**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](#) and/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.

## Facilities

### National Wildlife Refuge lands

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 AT THIS LOCATION.



## Fish hatcheries

THERE ARE NO FISH HATCHERIES AT THIS LOCATION.

## Wetlands in the National Wetlands Inventory

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](#).

WETLAND INFORMATION IS NOT AVAILABLE AT THIS TIME

This can happen when the National Wetlands Inventory (NWI) map service is unavailable, or for very large projects that intersect many wetland areas. Try again, or visit the [NWI map](#) to view wetlands at this location.

### Data limitations

The Service's objective of mapping wetlands and deepwater habitats is to produce reconnaissance level information on the location, type and size of these resources. The maps are prepared from the analysis of high altitude imagery. Wetlands are identified based on vegetation, visible hydrology and geography. A margin of error is inherent in the use of imagery; thus, detailed on-the-ground inspection of any particular site may result in revision of the wetland boundaries or classification established through image analysis.

The accuracy of image interpretation depends on the quality of the imagery, the experience of the image analysts, the amount and quality of the collateral data and the amount of ground truth verification work conducted. Metadata should be consulted to determine the date of the source imagery used and any mapping problems.

Wetlands or other mapped features may have changed since the date of the imagery or field work. There may be occasional differences in polygon boundaries or classifications between the information depicted on the map and the actual conditions on site.

### Data exclusions

Certain wetland habitats are excluded from the National mapping program because of the limitations of aerial imagery as the primary data source used to detect wetlands. These habitats include seagrasses or submerged aquatic vegetation that are found in the intertidal and subtidal zones of estuaries and nearshore coastal waters. Some deepwater reef communities (coral or tubercid worm reefs) have also been excluded from the inventory. These habitats, because of their depth, go undetected by aerial imagery.

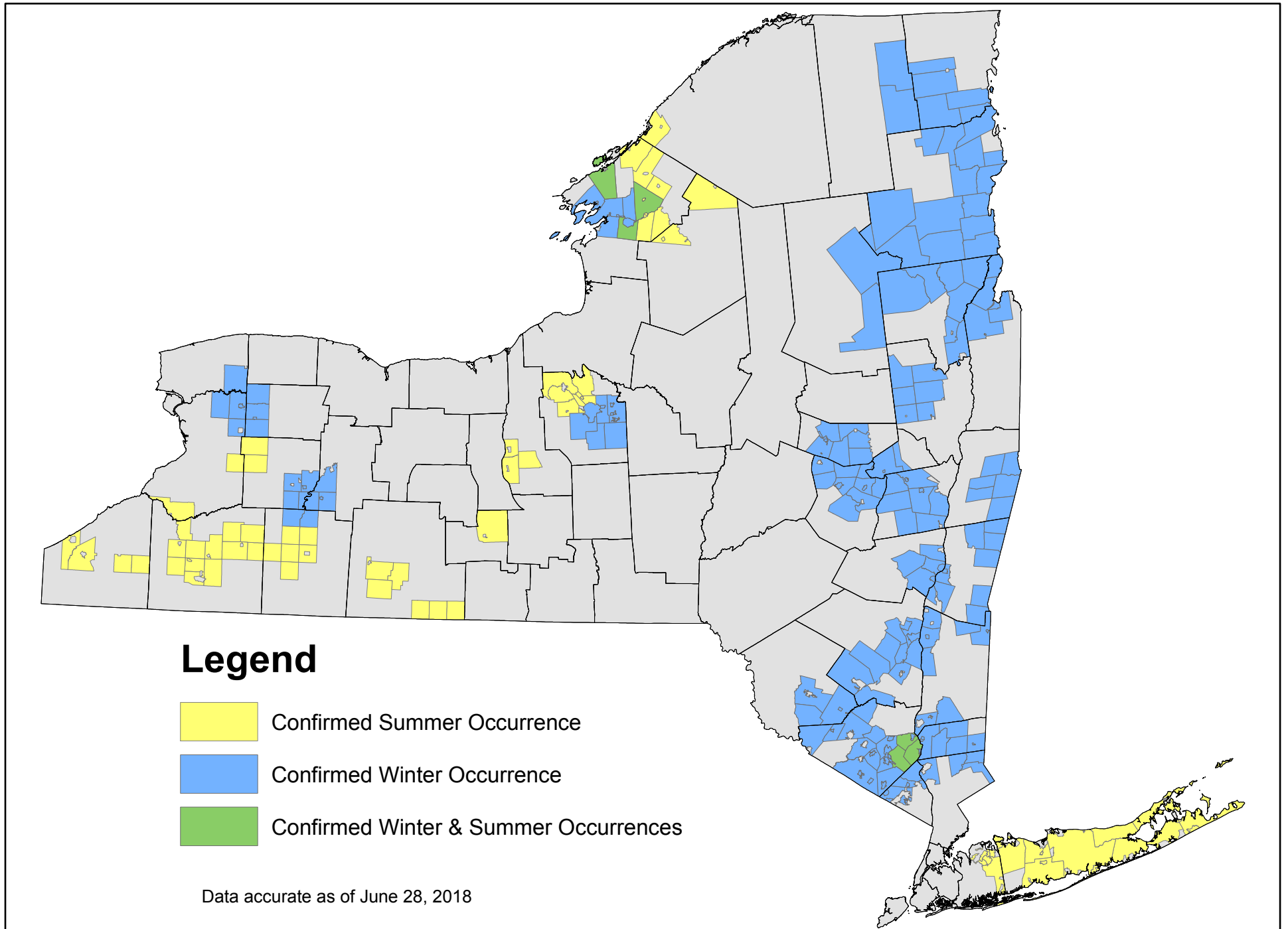
### Data precautions

Federal, state, and local regulatory agencies with jurisdiction over wetlands may define and describe wetlands in a different manner than that used in this inventory. There is no attempt, in either the design or products of this inventory, to define the limits of proprietary jurisdiction of any Federal, state, or local government or to establish the geographical scope of the regulatory programs of government agencies. Persons intending to engage in activities involving modifications within or adjacent to wetland areas should seek the advice of appropriate federal, state, or

local agencies concerning specified agency regulatory programs and proprietary jurisdictions that may affect such activities.

NOT FOR CONSULTATION

# Northern Long-eared Bat Occurrences by Town



# Northern Long-eared Bat Occurrences by Town

\*if your town is highlighted in yellow, please contact [NYNHP](#) to see whether your project site is within 0.25 miles of a hibernacula, or 150 feet of a summer occurrence.

County	Name	Occurrence	
		Summer	Winter
<b>Albany</b>	Altamont		Yes
	Berne		Yes
	Bethlehem		Yes
	Coeymans		Yes
	Guilderland		Yes
	Knox		Yes
	New Scotland		Yes
	Voorheesville		Yes
	Westerlo		Yes
<b>Allegany</b>	Allen	Yes	
	Angelica	Yes	
	Belfast	Yes	
	Caneadea	Yes	
	Friendship	Yes	
	Granger		Yes
	Hume		Yes
	New Hudson	Yes	
<b>Cattaraugus</b>	Ellicottville	Yes	
	Farmersville	Yes	
	Franklinville	Yes	
	Great Valley	Yes	
	Little Valley	Yes	
	Lyndon	Yes	
	Machias	Yes	
	Mansfield	Yes	
	Napoli	Yes	
	New Albion	Yes	
	Otto	Yes	
Salamanca	Yes		
<b>Cayuga</b>	Ledyard	Yes	
	Scipio	Yes	
	Springport	Yes	
<b>Chautauqua</b>	Chautauqua	Yes	
	Ellington	Yes	
	Gerry	Yes	
	Westfield	Yes	
<b>Clinton</b>	Ausable		Yes
	Black Brook		Yes
	Dannemora		Yes
	Peru		Yes
	Saranac		Yes

Note: not all portions of listed towns are covered by a buffer. If your town is listed, contact [NYNHP](#) or your [regional DEC office](#) to see whether your project site falls within known occupied habitat.

County	Name	Occurrence	
		Summer	Winter
<b>Columbia</b>	Ancram		Yes
	Austerlitz		Yes
	Canaan		Yes
	Chatham		Yes
	Copake		Yes
	Germantown		Yes
	Greenport		Yes
	Hudson		Yes
	Livingston		Yes
	New Lebanon		Yes
<b>Dutchess</b>	East Fishkill		Yes
	Fishkill		Yes
	Hyde Park		Yes
	Millerton		Yes
	Northeast		Yes
	Pine Plains		Yes
	Red Hook		Yes
	Rhinebeck		Yes
<b>Erie</b>	Akron		Yes
	Alden		Yes
	Clarence		Yes
	Collins	Yes	
	Newstead		Yes
	Wales	Yes	
<b>Essex</b>	Chesterfield		Yes
	Crown Point		Yes
	Elizabethtown		Yes
	Essex		Yes
	Jay		Yes
	Lewis		Yes
	Minerva		Yes
	Moriah		Yes
	Newcomb		Yes
	North Hudson		Yes
	Schroon		Yes
	Ticonderoga		Yes
	Westport		Yes
Wilmington		Yes	
<b>Franklin</b>	Bellmont		Yes
	Franklin		Yes
<b>Genesee</b>	Alabama		Yes
	Corfu		Yes
	Darien		Yes
	Pembroke		Yes

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<b>County</b>	<b>Name</b>	<b>Occurrence</b>	
		<b>Summer</b>	<b>Winter</b>
<b>Greene</b>	Athens		Yes
	Cairo		Yes
	Catskill		Yes
	Coxsackie		Yes
<b>Hamilton</b>	Indian Lake		Yes
	Wells		Yes
<b>Jefferson</b>	Alexandria	Yes	
	Black River	Yes	
	Brownville		Yes
	Champion	Yes	
	Chaumont		Yes
	Clayton	Yes	Yes
	Dexter		Yes
	Evans Mills	Yes	
	Glen Park		Yes
	Hounsfield		Yes
	Le Ray	Yes	Yes
	Lyme		Yes
	Pamelia		Yes
	Philadelphia	Yes	
	Rutland	Yes	
	Theresa	Yes	
Watertown	Yes	Yes	
<b>Lewis</b>	Copenhagen	Yes	
	Denmark	Yes	
	Diana	Yes	
<b>Livingston</b>	Mount Morris		Yes
	Nunda		Yes
	Portage		Yes
<b>Montgomery</b>	Ames		Yes
	Canajoharie		Yes
	Charleston		Yes
	Glen		Yes
	Mohawk		Yes
	Nelliston		Yes
	Palatine		Yes
	Palatine Bridge		Yes
Root		Yes	
<b>Nassau</b>	Brookville	Yes	
	Muttontown	Yes	
	Oyster Bay	Yes	
	Oyster Bay Cove	Yes	
	Upper Brookville	Yes	
<b>Niagara</b>	Royalton		Yes

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County	Name	Occurrence	
		Summer	Winter
<b>Onondaga</b>	Camillus	Yes	
	Clay	Yes	
	De Witt		Yes
	East Syracuse		Yes
	Fayetteville		Yes
	Geddes	Yes	
	La Fayette		Yes
	Liverpool	Yes	
	Lysander	Yes	
	Manlius		Yes
	Minoa		Yes
	Onondaga		Yes
	Pompey		Yes
	Salina	Yes	
	Syracuse		Yes
	Van Buren	Yes	
<b>Orange</b>	Blooming Grove		Yes
	Chester		Yes
	Cornwall	Yes	Yes
	Cornwall-on-Hudson		Yes
	Crawford		Yes
	Deerpark		Yes
	Goshen		Yes
	Greenwood Lake		Yes
	Hamptonburgh		Yes
	Harriman		Yes
	Highland Falls		Yes
	Highlands	Yes	Yes
	Kiryas Joel		Yes
	Monroe		Yes
	Mount Hope		Yes
	Otisville		Yes
	South Blooming Grove		Yes
	Tuxedo		Yes
	Tuxedo Park		Yes
	Wallkill		Yes
Warwick		Yes	
Washingtonville		Yes	
Woodbury	Yes	Yes	
<b>Putnam</b>	Brewster		Yes
	Carmel		Yes
	Cold Spring		Yes
	Kent		Yes
	Nelsonville		Yes
	Philipstown		Yes
	Putnam Valley		Yes
	Southeast		Yes

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County	Name	Occurrence	
		Summer	Winter
<b>Rensselaer</b>	Berlin		Yes
	Grafton		Yes
	Petersburgh		Yes
	Poestenkill		Yes
	Sand Lake		Yes
	Stephentown		Yes
<b>Rockland</b>	Haverstraw		Yes
	Hillburn		Yes
	Pomona		Yes
	Ramapo		Yes
	Sloatsburg		Yes
	Stony Point		Yes
<b>Saratoga</b>	Corinth		Yes
	Edinburg		Yes
	Galway		Yes
	Greenfield		Yes
	Milton		Yes
	Providence		Yes
<b>Schenectady</b>	Delanson		Yes
	Duanesburg		Yes
	Princetown		Yes
<b>Schoharie</b>	Carlisle		Yes
	Cobleskill		Yes
	Esperance		Yes
	Esperance		Yes
	Fulton		Yes
	Middleburgh		Yes
	Schoharie		Yes
	Seward		Yes
	Sharon		Yes
	Wright		Yes
<b>Schuyler</b>	Hector	Yes	
<b>St Lawrence</b>	Hammond	Yes	
<b>Steuben</b>	Cameron	Yes	
	Canisteo	Yes	
	Caton	Yes	
	Jasper	Yes	
	Lindley	Yes	
	Tuscarora	Yes	
<b>Suffolk</b>	Brookhaven	Yes	
	Dering Harbor	Yes	
	East Hampton	Yes	
	Huntington	Yes	
	Islandia	Yes	
	Islip	Yes	
	Lloyd Harbor	Yes	
	Mastic Beach	Yes	

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County	Name	Occurrence	
		Summer	Winter
<b>Suffolk (cont'd)</b>	Riverhead	Yes	
	Sag Harbor	Yes	
	Shelter Island	Yes	
	Shoreham	Yes	
	Smithtown	Yes	
	Southampton	Yes	
	Southold	Yes	
	Village of the Branch	Yes	
<b>Sullivan</b>	Bloomingburg		Yes
	Forestburgh		Yes
	Mamakating		Yes
	Thompson		Yes
	Wurtsboro		Yes
<b>Ulster</b>	Esopus		Yes
	Hurley		Yes
	Kingston		Yes
	Marbletown		Yes
	New Paltz		Yes
	Rochester		Yes
	Rosendale		Yes
	Shawangunk		Yes
	Ulster		Yes
Wawarsing		Yes	
<b>Warren</b>	Bolton		Yes
	Chester		Yes
	Hague		Yes
	Horicon		Yes
	Johnsburg		Yes
	Lake George		Yes
	Queensbury		Yes
<b>Washington</b>	Dresden		Yes
	Fort Ann		Yes
	Putnam		Yes
	Whitehall		Yes
<b>Westchester</b>	Cortlandt		Yes
	Lewisboro		Yes
	North Salem		Yes
	Somers		Yes
<b>Wyoming</b>	Bennington	Yes	
	Castile		Yes
	Gainesville		Yes
	Genesee Falls		Yes
	Pike		Yes
	Sheldon	Yes	

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