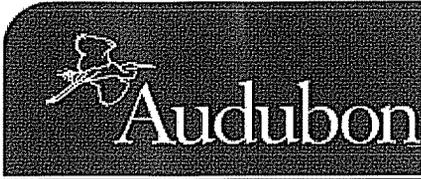


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*Appendix K*



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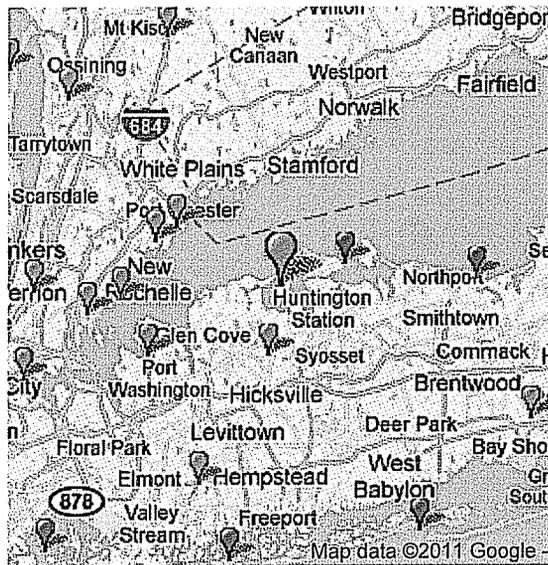
*"IBAs have the unique power to unite people, communities, and organizations in proactive bird conservation, one place at a time"*

- Frank Gill, President Emeritus, National Audubon Society



**Name:** Oyster Bay Area  
**State:** US-NY  
**Counties:** Nassau, Suffolk  
**Acres:** 12,701

**Status:** Recognized  
**Priority:** State  
**Criteria:** D1, D4ii



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**Site Description:**

This site encompasses the area extending along western Long Island Sound from Bayville eastward to Cold Spring Harbor, including the Oyster Bay National Wildlife Refuge. Much of the shoreline has been developed for residential houses and estates, but many significant wetland, shrub/scrub, and deciduous forest habitats remain. It is mostly under private ownership, but there are significant public holdings within Oyster Bay National Wildlife Refuge, and other municipal lands.

**Ornithological Summary:**

The NYS DEC aerial winter waterfowl survey in 1996 documented 2,096 waterfowl in this area, including 1,040 Canada Geese. Waterfowl surveys done from 1990 to 1997 at Oyster Bay National Wildlife Refuge showed maximums of 781 Canada Geese, 140 American Wigeons, 2,133 American Black Ducks, 234 Mallards, 1,048 Canvasbacks, 17,102 Greater Scaup, 861 Long-tailed Ducks, 2,082 Buffleheads, 203 Common Goldeneyes, and 322 Red-breasted Mergansers. Nonbreeding maximums for other waterbirds during this time included 209 Double-crested Cormorants, 1,262 Herring Gulls, 356 Common Terns, 299 Forster's Terns, and 148 herons and egrets. Upland portions of the site are known for having a large diversity and abundance of migratory songbirds during spring and fall migrations. Congregations-Waterfowl Mixed species 2,096 ind. in 1996 ;

many ind. species counts exceed threshold (see text) Winter 1. NYS DEC mid-winter aerial waterfowl surveys; 2. Oyster Bay National Wildlife Refuge survey

**Conservation Issues:**

Water pollution from various sources, including contaminants, oil spills, suburban runoff, excessive sedimentation, and sewage and storm water discharges, degrades the aquatic resources upon which these waterfowl and other waterbirds rely. Also, increased residential and commercial development along the shoreline may cause increased pollution and disturbance problems. Protection of significant areas, particularly wetland sites, should continue. Waterfowl numbers should be regularly monitored.

[Click for a detailed description of the site.](#)

**National Audubon Society 2011. Important Bird Areas in the U.S.  
Available at <http://www.audubon.org/bird/iba>. Accessed 10 October 2011**

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**Oyster Bay Area**

**Status:** Recognized  
**Priority:** State  
**Criteria Proposed:**  
**Criteria Confirmed:** D1, D4ii

**State:** New York  
**Country:** US  
**Counties:**  
 Nassau, Suffolk

**Latitude:** 40.9029  
**Longitude:** -73.5196

**Area (ha):** 5140.0

**Elevation (m):**  
 Min 0.0 Max 61.0 Avg 0.0

**Bird Conservation Region**  
 New England / Mid-Atlantic Coast

**Endemic Bird Area**

**Site Description**

This site encompasses the area extending along western Long Island Sound from Bayville eastward to Cold Spring Harbor, including the Oyster Bay National Wildlife Refuge. Much of the shoreline has been developed for residential houses and estates, but many significant wetland, shrub/scrub, and deciduous forest habitats remain. It is mostly under private ownership, but there are significant public holdings within Oyster Bay National Wildlife Refuge, and other municipal lands.

**Ornithological Significance**

The NYS DEC aerial winter waterfowl survey in 1996 documented 2,096 waterfowl in this area, including 1,040 Canada Geese. Waterfowl surveys done from 1990 to 1997 at Oyster Bay National Wildlife Refuge showed maximums of 781 Canada Geese, 140 American Wigeons, 2,133 American Black Ducks, 234 Mallards, 1,048 Canvasbacks, 17,102 Greater Scaup, 861 Long-tailed Ducks, 2,082 Buffleheads, 203 Common Goldeneyes, and 322 Red-breasted Mergansers. Nonbreeding maximums for other waterbirds during this time included 209 Double-crested Cormorants, 1,262 Herring Gulls, 356 Common Terns, 299 Forster's Terns, and 148 herons and egrets. Upland portions of the site are known for having a large diversity and abundance of migratory songbirds during spring and fall migrations. Congregations-Waterfowl Mixed species 2,096 ind. in 1996 ; many ind. species counts exceed threshold (see text) Winter 1. NYS DEC mid-winter aerial waterfowl surveys; 2. Oyster Bay National Wildlife Refuge survey

**Criteria**

**Species Data and Criteria**

Common Name	Date	Seasonal/Daily	Season	# Observed	Density (#/km2)	Units	Proposed Criteria	Confirmed Criteria
Ruddy Duck	2000	D	passage	8		Individuals		D4ii - waterfowl (State defined)
		Source text: FNYSBC winter waterfowl survey.						
Ruddy Duck	1999	D	passage	12		Individuals		D4ii - waterfowl (State defined)
		Source text: FNYSBC winter waterfowl survey.						
Mute Swan	2004	D	passage	10		Individuals		D4ii - waterfowl (State defined)
		Source text: FNYSBC winter waterfowl survey						

	2000	D	passage	26		Individuals		D4ii - waterfowl (State defined)	
	Source text:		FNYSBC winter waterfowl survey						
	1999	D	passage	14		Individuals		D4ii - waterfowl (State defined)	
	Source text:		FNYSBC winter waterfowl survey						
Canada Goose	2004	D	passage	59		Individuals		D4ii - waterfowl (State defined)	
	Source text:		FNYSBC winter waterfowl survey. 781 ind. Max number during 1990-1997 Oyster Bay NWR waterfowl surveys.						
	2000	D	passage	329		Individuals		D4ii - waterfowl (State defined)	
	Source text:		FNYSBC winter waterfowl survey. 781 ind. Max number during 1990-1997 Oyster Bay NWR waterfowl surveys.						
Brant	1999	D	passage	295		Individuals		D4ii - waterfowl (State defined)	
	Source text:		FNYSBC winter waterfowl survey. 781 ind. Max number during 1990-1997 Oyster Bay NWR waterfowl surveys.						
	2004	D	passage	9		Individuals		D4ii - waterfowl (State defined)	
	Source text:		FNYSBC winter waterfowl survey						
	2000	D	passage	2		Individuals		D4ii - waterfowl (State defined)	
	Source text:		FNYSBC winter waterfowl survey						
Gadwall	2000	D	passage	18		Individuals		D4ii - waterfowl (State defined)	
	Source text:		FNYSBC winter waterfowl survey						
	1999	D	passage	6		Individuals		D4ii - waterfowl (State defined)	
	Source text:		FNYSBC winter waterfowl survey						
American Wigeon	2004	D	passage	10		Individuals		D4ii - waterfowl (State defined)	
	Source text:		FNYSBC winter waterfowl survey. 140 ind. Max number during 1990-1997 Oyster Bay NWR waterfowl surveys.						
	2000	D	passage	10		Individuals		D4ii - waterfowl (State defined)	
	Source text:		FNYSBC winter waterfowl survey. 140 ind. Max number during 1990-1997 Oyster Bay NWR waterfowl surveys.						
	1999	D	passage	2		Individuals		D4ii - waterfowl (State defined)	
	Source text:		FNYSBC winter waterfowl survey. 140 ind. Max number during 1990-1997 Oyster Bay NWR waterfowl surveys.						

<b>American Black Duck</b>	<b>2004</b>	D	passage	90		Individuals		D4ii - waterfowl (State defined)
		Source text: FNYSBC winter waterfowl survey. 2133 ind. Max number during 1990-1997 Oyster Bay NWR waterfowl survey.						
	<b>2000</b>	D	passage	260		Individuals		D1 - State Species of Conservation Concern D4ii - waterfowl (State defined)
		Source text: NYSOA winter waterfowl counts; Winter						
	<b>1999</b>	D	passage	171		Individuals		D1 - State Species of Conservation Concern D4ii - waterfowl (State defined)
		Source text: NYSOA winter waterfowl counts; Winter						
<b>Mallard</b>	<b>2004</b>	D	passage	64		Individuals		
		Source text: FNYSBC winter waterfowl survey. 234 ind. Max number during 1990-1997 Oyster Bay NWR waterfowl surveys.						
	<b>2000</b>	D	passage	226		Individuals		
		Source text: FNYSBC winter waterfowl survey. 234 ind. Max number during 1990-1997 Oyster Bay NWR waterfowl surveys.						
	<b>1999</b>	D	passage	93		Individuals		
		Source text: FNYSBC winter waterfowl survey. 234 ind. Max number during 1990-1997 Oyster Bay NWR waterfowl surveys.						
<b>Northern Pintail</b>	<b>2000</b>	D	passage	21		Individuals		D4ii - waterfowl (State defined)
		Source text: FNYSBC winter waterfowl survey.						
	<b>1999</b>	D	passage	16		Individuals		D4ii - waterfowl (State defined)
		Source text: FNYSBC winter waterfowl survey.						
<b>Canvasback</b>	<b>2004</b>	D	passage	2		Individuals		D4ii - waterfowl (State defined)
		Source text: FNYSBC winter waterfowl survey. 1048 ind. Max number during 1990-1997 Oyster Bay NWR waterfowl surveys.						
	<b>2000</b>	D	passage	5		Individuals		D4ii - waterfowl (State defined)
		Source text: FNYSBC winter waterfowl survey. 1048 ind. Max number during 1990-1997 Oyster Bay NWR waterfowl surveys.						
<b>Ring-necked Duck</b>	<b>2000</b>	D	passage	6		Individuals		D4ii - waterfowl (State defined)
		Source text: FNYSBC winter waterfowl survey.						
	<b>1999</b>	D	passage	5		Individuals		D4ii - waterfowl (State defined)
		Source text: FNYSBC winter waterfowl survey.						

<b>Greater Scaup</b>	<b>2004</b>	D	passage	12		Individuals		D4ii - waterfowl (State defined)
	Source text: FNYSBC winter waterfowl survey. 17102 ind. Max number during 1990-1997 Oyster Bay NWR waterfowl surveys.							
	<b>1999</b>	D	passage	32		Individuals		D4ii - waterfowl (State defined)
	Source text: FNYSBC winter waterfowl survey. 17102 ind. Max number during 1990-1997 Oyster Bay NWR waterfowl surveys.							
<b>Lesser Scaup</b>	<b>2000</b>	D	passage	10		Individuals		D4ii - waterfowl (State defined)
	Source text: FNYSBC winter waterfowl survey							
<b>Long-tailed Duck</b>	<b>2000</b>	D	passage	36		Individuals		D4ii - waterfowl (State defined)
	Source text: FNYSBC winter waterfowl survey. 861 ind. Max number during 1990-1997 Oyster Bay NWR waterfowl surveys.							
	<b>1999</b>	D	passage	25		Individuals		D4ii - waterfowl (State defined)
	Source text: FNYSBC winter waterfowl survey. 861 ind. Max number during 1990-1997 Oyster Bay NWR waterfowl surveys.							
<b>Surf Scoter</b>	<b>2000</b>	D	passage	12		Individuals		D4ii - waterfowl (State defined)
	Source text: FNYSBC winter waterfowl survey.							
<b>White-winged Scoter</b>	<b>2000</b>	D	passage	30		Individuals		D4ii - waterfowl (State defined)
	Source text: FNYSBC winter waterfowl survey.							
	<b>1999</b>	D	passage	43		Individuals		D4ii - waterfowl (State defined)
	Source text: FNYSBC winter waterfowl survey.							
<b>Common Goldeneye</b>	<b>2004</b>	D	passage	106		Individuals		D4ii - waterfowl (State defined)
	Source text: FNYSBC winter waterfowl survey. 203 ind. Max number during 1990-1997 Oyster Bay NWR waterfowl surveys.							
	<b>2000</b>	D	passage	64		Individuals		D4ii - waterfowl (State defined)
	Source text: FNYSBC winter waterfowl survey. 203 ind. Max number during 1990-1997 Oyster Bay NWR waterfowl surveys.							
	<b>1999</b>	D	passage	118		Individuals		D4ii - waterfowl (State defined)
	Source text: FNYSBC winter waterfowl survey. 203 ind. Max number during 1990-1997 Oyster Bay NWR waterfowl surveys.							
<b>Barrow's Goldeneye</b>	<b>1999</b>	D	passage	1		Individuals		D4ii - waterfowl (State defined)
	Source text: FNYSBC winter waterfowl survey.							

<b>Bufflehead</b>	<b>2004</b>	D	passage	13		Individuals		D4ii - waterfowl (State defined)
		Source text: FNYSBC winter waterfowl survey. 2082 ind. Max number during 1990-1997 Oyster Bay NWR waterfowl surveys.						
	<b>2000</b>	D	passage	101		Individuals		D4ii - waterfowl (State defined)
Source text: FNYSBC winter waterfowl survey. 2082 ind. Max number during 1990-1997 Oyster Bay NWR waterfowl surveys.								
	<b>1999</b>	D	passage	295		Individuals		D4ii - waterfowl (State defined)
		Source text: FNYSBC winter waterfowl survey. 2082 ind. Max number during 1990-1997 Oyster Bay NWR waterfowl surveys.						
<b>Hooded Merganser</b>	<b>2004</b>	D	passage	2		Individuals		D4ii - waterfowl (State defined)
		Source text: FNYSBC winter waterfowl survey.						
<b>Red-breasted Merganser</b>	<b>2004</b>	D	passage	28		Individuals		D4ii - waterfowl (State defined)
		Source text: FNYSBC winter waterfowl survey. 322 ind. Max number during 1990-1997 Oyster Bay NWR waterfowl surveys.						
	<b>2000</b>	D	passage	89		Individuals		D4ii - waterfowl (State defined)
		Source text: FNYSBC winter waterfowl survey. 322 ind. Max number during 1990-1997 Oyster Bay NWR waterfowl surveys.						
	<b>1999</b>	D	passage	97		Individuals		D4ii - waterfowl (State defined)
		Source text: FNYSBC winter waterfowl survey. 322 ind. Max number during 1990-1997 Oyster Bay NWR waterfowl surveys.						
<b>Common Merganser</b>	<b>2000</b>	D	passage	20		Individuals		D4ii - waterfowl (State defined)
		Source text: FNYSBC winter waterfowl survey.						
<b>Horned Grebe</b>	<b>2004</b>	D	passage	10		Individuals		D4ii - waterfowl (State defined)
		Source text: FNYSBC winter waterfowl survey						
	<b>2000</b>	D	passage	7		Individuals		D4ii - waterfowl (State defined)
		Source text: FNYSBC winter waterfowl survey						
	<b>1999</b>	D	passage	25		Individuals		D4ii - waterfowl (State defined)
		Source text: FNYSBC winter waterfowl survey						
<b>Double-crested Cormorant</b>	<b>2000</b>	D	passage	2		Individuals		D4ii - waterfowl (State defined)
		Source text: FNYSBC winter waterfowl survey						

<b>Red-throated Loon</b>	<b>1999</b>	D	passage	4		Individuals		D4ii - waterfowl (State defined)
	Source text: FNYSBC winter waterfowl survey.							
<b>Common Loon</b>	<b>2000</b>	D	passage	1		Individuals		D4ii - waterfowl (State defined)
	Source text: FNYSBC winter waterfowl survey.							
	<b>1999</b>	D	passage	14		Individuals		D4ii - waterfowl (State defined)
	Source text: FNYSBC winter waterfowl survey.							

**Ownership**

% of IBA	Ownership
-	-

**Habitat**

% of IBA	Habitat
-	-

**Land Use**

% of IBA	Land Use
-	-

**Conservation Issues**

Water pollution from various sources, including contaminants, oil spills, suburban runoff, excessive sedimentation, and sewage and storm water discharges, degrades the aquatic resources upon which these waterfowl and other waterbirds rely. Also, increased residential and commercial development along the shoreline may cause increased pollution and disturbance problems. Protection of significant areas, particularly wetland sites, should continue. Waterfowl numbers should be regularly monitored.

Level	Threat
-	unset

Citation: National Audubon Society 2011. Important Bird Areas in the U.S.



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**Name:** Muttontown Preserve

**State:** US-NY

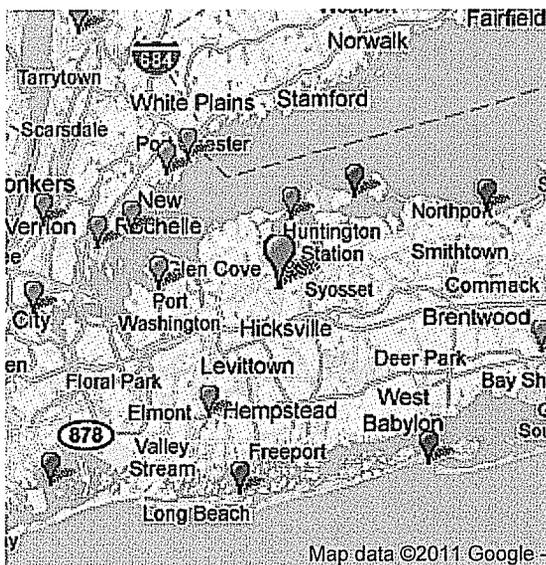
**Counties:** Nassau

**Acres:** 551

**Status:** Recognized

**Priority:** State

**Criteria:** D3



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**Site Description:**

This site consists of moist woodlands, fields, pioneer woodlands, conifer stands, kettle ponds, and upland forests. It is owned by the Nassau County Department of Recreation and Parks. The site is a relatively large, contiguous tract of habitat serving as an island in the midst of ongoing development. It contains an area known as the Christie Estate, which includes grassland habitat. According to the NY GAP land cover data, over 50% of this site is shrub habitat, which includes pitch pine oak, successional shrub, and old/field pasture.

**Ornithological Summary:**

This site offers diversified habitat for a variety of breeding birds. Its importance stems not from rare or endangered species, but from the variety of characteristic species, including the American Woodcock, Yellow-billed Cuckoo, Eastern Wood-Pewee, Eastern Kingbird, White-eyed Vireo, Red-eyed Vireo, Gray Catbird, Brown Thrasher, Blue-winged Warbler, Chestnut-sided Warbler, Black-and-white Warbler, Ovenbird, Rufous-sided Towhee, Field Sparrow, Rosebreasted Grosbeak, Indigo Bunting, and Baltimore Oriole. In addition, it is one of only a few sites in Nassau County where both Great Horned Owls and Eastern Screech-Owls nest.



*"IBAs have the unique power to unite people, communities, and organizations in proactive bird conservation, one place at a time"*

- Frank Gill, President Emeritus, National Audubon Society



**Conservation Issues:**

This site is listed in the 2002 Open Space Conservation Plan as a priority site under the project name Long Island Sound Coastal Area. The preserve currently has little funding and there are no plans for activities that would negatively impact the avifauna. Consideration should be given to management of early successional habitats and invasive, non-native plant species. Because of the size of the site and its location in a major urban area, there is potential for the site to be considered for future development of recreational facilities, which might increase human disturbance and decrease available habitat. Monitoring of shrub and at-risk species is needed to better understand bird use and determine if this site continues to meet IBA criteria.

[Click for a detailed description of the site.](#)

**National Audubon Society 2011. Important Bird Areas in the U.S.  
Available at <http://www.audubon.org/bird/iba>. Accessed 10 October 2011**

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**Muttontown Preserve**

**Status:** Recognized  
**Priority:** State  
**Criteria Proposed:**  
**Criteria Confirmed:** D3

**State:** New York  
**Country:** US  
**County:**  
 Nassau

**Latitude:** 40.8269  
**Longitude:** -73.5365

**Area (ha):** 223.0

**Elevation (m):**  
 Min 59.0 Max 75.0 Avg 0.0

**Bird Conservation Region**  
 New England / Mid-Atlantic Coast

**Endemic Bird Area**

**Site Description**

This site consists of moist woodlands, fields, pioneer woodlands, conifer stands, kettle ponds, and upland forests. It is owned by the Nassau County Department of Recreation and Parks. The site is a relatively large, contiguous tract of habitat serving as an island in the midst of ongoing development. It contains an area known as the Christie Estate, which includes grassland habitat. According to the NY GAP land cover data, over 50% of this site is shrub habitat, which includes pitch pine oak, successional shrub, and old/field pasture.

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**Criteria**

**Species Data and Criteria**

Common Name	Date	Seasonal/Daily	Season	# Observed	Density (#/km2)	Units	Proposed Criteria	Confirmed Criteria
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**Ownership**

% of IBA	Ownership
-	-

**Habitat**

--	--

% of IBA	Habitat
-	-

## Land Use

% of IBA	Land Use
-	-

## Conservation Issues

This site is listed in the 2002 Open Space Conservation Plan as a priority site under the project name Long Island Sound Coastal Area. The preserve currently has little funding and there are no plans for activities that would negatively impact the avifauna. Consideration should be given to management of early successional habitats and invasive, non-native plant species. Because of the size of the site and its location in a major urban area, there is potential for the site to be considered for future development of recreational facilities, which might increase human disturbance and decrease available habitat. Monitoring of shrub and at-risk species is needed to better understand bird use and determine if this site continues to meet IBA criteria.

Level	Threat
-	unset

---

Citation: National Audubon Society 2011. Important Bird Areas in the U.S.