

U.S. Fish & Wildlife Service

# Bombay Hook

*National Wildlife  
Refuge*

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*Birds*



## Introduction

*Bombay Hook National Wildlife Refuge lies low and flat on the Atlantic Coastal Plain along the western shore of Delaware Bay. Nearly two-thirds of its almost 16,000 acres spreads out into tidal salt marsh and cordgrass meadows interrupted by winding rivers and creeks. Away from the bay and marsh are man-made freshwater ponds called impoundments. Upland woods, swamps, brushy thickets, grassy fields, and croplands complete the diversity of habitat which attracts a wide variety of bird life.*

*Look for greatest numbers of waterfowl during March and November. Shorebirds, wading birds and songbirds are most abundant during May, August and September.*

*Snow geese*



## Notes

Location \_\_\_\_\_

Date \_\_\_\_\_ Time \_\_\_\_\_

Observers \_\_\_\_\_

Weather \_\_\_\_\_

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This brochure lists 267 species that have been identified on or seen from the refuge, and is in accordance with the sixth American Ornithologists Union Checklist. A list of approximately 70 accidental birds (seen at intervals of 5 or more years) is available on request.

Most birds are migratory, therefore, their seasonal occurrence is coded as follows:

### Season

<b>s</b>	spring	March – May
<b>S</b>	summer	June – August
<b>F</b>	fall	September – November
<b>W</b>	winter	December – February

- Birds known to nest on or near the refuge

*Italics indicate threatened/endangered species*

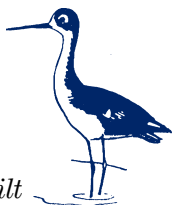
### Relative Abundance

Relative abundance indicates how frequently you might see a bird in its favored habitat.

<b>a</b>	abundant	a species which is very numerous
<b>c</b>	common	likely to be seen or heard in suitable habitat
<b>u</b>	uncommon	present, but not certain to be seen
<b>o</b>	occasional	seen only a few times during a season
<b>r</b>	rare	may be present but not every year

### Habitat Types

<b>F</b>	Forest, woodlands, thickets
<b>W</b>	Wetlands (includes all bodies of water and fresh and salt water marshes)
<b>M</b>	Meadows, fields



*Black-necked stilt*

	<b>s</b>	<b>S</b>	<b>F</b>	<b>W</b>	<b>H</b>
<b>Loons – Grebes</b>					
___ Red-throated Loon _____			r	r	W
___ Common Loon _____		r			W
___ • Pied-billed Grebe _____	o	o	u	o	W
___ Horned Grebe _____	o	u	o	u	W
___ Eared Grebe _____				r	W
<b>Pelican</b>					
___ American White Pelican _____		r		r	W

	s	S	F	W	H
<b>Cormorant</b>					
___ Double-crested Cormorant ___	u	u	c	u	W
<b>Bitterns – Herons</b>					
___ • American Bittern _____	o	u	u	o	W
___ • Least Bittern _____	o	u	o		W
___ Great Blue Heron _____	c	c	a	c	W
___ Great Egret _____	u	a	c	o	W/M
___ Snowy Egret _____	o	a	c	r	W/M
___ Little Blue Heron _____	o	c	c		W
___ Tricolored Heron _____	o	u	o	r	W
___ Cattle Egret _____	o	u	o		W/M
___ • Green Heron _____	c	c	c	r	W
___ Black-crowned Night-Heron _	c	c	c	u	W
___ Yellow-crowned Night-Heron	o	o	o	o	W

### Ibises

___ Glossy Ibis _____	c	c	u		W/M
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### Vultures

___ • Black Vulture _____	o	o	o	o	F/M/W
___ • Turkey Vulture _____	c	c	c	c	F/M/W

*Black duck*



### Swans – Geese – Ducks

___ Fulvous Whistling-Duck _____	r	r	r		W
___ Tundra Swan _____	o	r	c	u	W/M
___ Mute Swan _____	r	r	r	o	W/M
___ Greater White-fronted Goose _	r		r	r	W/M
___ Snow Goose _____	c	r	a	a	W/M
___ Ross' Goose _____	r		r	r	W/M
___ • Canada Goose _____	a	c	a	a	W/M
___ • Wood Duck _____	c	c	a	o	W/F
___ Green-winged Teal _____	a	o	a	c	W/M
___ • American Black Duck _____	c	c	c	c	W
___ • Mallard _____	a	c	a	a	W/M
___ Northern Pintail _____	a	o	a	a	W
___ • Blue-winged Teal _____	c	u	a	r	W/M
___ • Northern Shoveler _____	c	o	a	u	W
___ • Gadwall _____	c	a	a	u	W

	s	S	F	W	H
___ Eurasian Wigeon _____	r	r	r	o	W
___ American Wigeon _____	c	o	a	c	W/M
___ Canvasback _____			o	o	W
___ Redhead _____	o		o	o	W
___ Ring-necked Duck _____	o		u	o	W
___ Greater Scaup _____	u	o	u	u	W
___ Lesser Scaup _____	u		u	u	W
___ Oldsquaw _____		r	u	o	W
___ Black Scoter _____	o	r	o	o	W
___ Surf Scoter _____	o		o	o	W
___ White-winged Scoter _____	o		o	o	W
___ Common Goldeneye _____	u	r	u	u	W
___ Bufflehead _____	c	r	c	c	W
___ Hooded Merganser _____	u	o	u	c	W
___ Common Merganser _____	u	r	c	c	W
___ Red-breasted Merganser _____	u	r	u	u	W
___ Ruddy Duck _____	c	o	c	c	W

### Osprey – Kites – Hawks – Eagles

___ • Osprey _____	o	o	o		W/F
___ • Bald Eagle _____	u	u	u	u	W/F/M
___ • Northern Harrier _____	c	o	c	c	W/M
___ Sharp-shinned Hawk _____	o	o	o	o	F/M
___ Cooper's Hawk _____	o	r	o	o	F/M
___ • Red-shouldered Hawk _____	o	o	o	o	F/M
___ Broad-winged Hawk _____	r	r	r		F/M
___ • Red-tailed Hawk _____	u	o	c	c	F/M/W
___ Rough-legged Hawk _____	o		o	c	F/W/M
___ Golden Eagle _____			r	r	F/M/W

### Falcons

___ • American Kestrel _____	u	u	c	c	M/F
___ Merlin _____	r		o	r	W/F
___ Peregrine Falcon _____	r		u	r	W/F

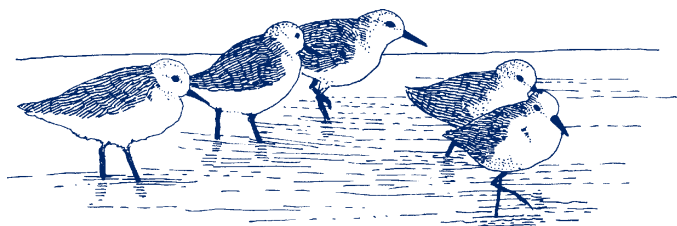
### Gallinaceous Birds

___ • Ring-necked Pheasant _____	c	c	c	c	M/F
___ • Wild Turkey _____	c	c	c	c	M/F
___ • Northern Bobwhite _____	c	c	c	c	M/F

### Rails

___ Black Rail _____	r	r	r		W
___ • Clapper Rail _____	c	c	c	o	W
___ • King Rail _____	c	c	c	o	W
___ • Virginia Rail _____	u	u	u	o	W
___ Sora _____	u	o	u		W
___ • Common Moorhen _____	o	u	o	r	W
___ • American Coot _____	u	u	u	u	W

	s	S	F	W	H
<b>Plovers – Sandpipers</b>					
___ Black-bellied Plover _____	c	u	c	o	W/M
___ Lesser Golden-Plover _____	o	r	o		M/W
___ Semipalmated Plover _____	c	u	c	r	W/M
___ • Killdeer _____	c	c	c	u	M/W
<b>Oystercatchers</b>					
___ American Oystercatcher _____	r				W
<b>Stilts and Avocets</b>					
___ • Black-necked Stilt _____	u	c	o		W
___ American Avocet _____	u	c	u	r	W
<b>Sandpipers</b>					
___ Greater Yellowlegs _____	c	c	a	o	W/M
___ Lesser Yellowlegs _____	c	c	c	o	W/M
___ Solitary Sandpiper _____	o	o	o		W/M
___ • Willet _____	a	a	o	r	W
___ Spotted Sandpiper _____	u	o	u		W
___ Upland Sandpiper _____	r		r		M
___ Whimbrel _____	r	r	r		M/W
___ Hudsonian Godwit _____	r	o	o		W
___ Marbled Godwit _____		r	r		W
___ Ruddy Turnstone _____	a	o	u		W
___ Red Knot _____	a	o	o		W
___ Sanderling _____	c	o	c		W
___ Semipalmated Sandpiper _____	a	c	a		W/M
___ Western Sandpiper _____	o	o	c	r	W/M
___ Least Sandpiper _____	c	c	c	r	W/M
___ White-rumped Sandpiper _____	u	o	u		W/M
___ Baird's Sandpiper _____	r	r	r		W/M
___ Pectoral Sandpiper _____	o	c	c	r	W/M
___ Dunlin _____	a	o	a	c	W
___ Curlew Sandpiper _____	r	r	r		W
___ Stilt Sandpiper _____	u	c	u		W
___ Buff-breasted Sandpiper _____		r	r		M/W
___ Ruff _____	r	o	o		W/M



*Sanderlings*

	s	S	F	W	H
___ Short-billed Dowitcher _____	c	c	a	r	W/M
___ Long-billed Dowitcher _____		o	o		W/M
___ Common Snipe _____	c	o	c	u	W/M
___ • American Woodcock _____	c	u	c	r	W/F
___ Wilson's Phalarope _____	o	u	o		W
___ Red-necked Phalarope _____	o		r		W

### Gulls – Terns

___ Laughing Gull _____	c	c	c		W/M
___ Bonaparte's Gull _____	o	o	o		W
___ Ring-billed Gull _____	c	u	a	c	W/M
___ Herring Gull _____	c	c	a	c	W/M
___ Great Black-backed Gull _____	c	c	c	c	W/M
___ Gull-billed Tern _____	o	o			W
___ Caspian Tern _____	o	u	u		W
___ Royal Tern _____		o	r		W
___ Common Tern _____	o	o	o		W
___ • Forster's Tern _____	o	c	c		W
___ Least Tern _____	o	c			W
___ Black Tern _____	r	o	o		W
___ Black Skimmer _____	o	u	o		W

### Doves

___ • Rock Dove _____	o	o	o	o	M
___ • Mourning Dove _____	c	c	a	c	M/F

### Cuckoos

___ • Black-billed Cuckoo _____	o	o	o		F
___ • Yellow-billed Cuckoo _____	c	c	c		F

### Barn Owls

___ • Barn Owl _____	u	u	u	u	F
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### Typical Owls

___ • Eastern Screech-Owl _____	u	u	u	u	F
___ • Great Horned Owl _____	c	c	c	c	F
___ • Barred Owl _____	c	c	c	c	F
___ Long-eared Owl _____			r	r	F
___ Short-eared Owl _____	o		o	o	M/W
___ Northern Saw-whet Owl _____	r		r	r	F

### Nightjars

___ Common Nighthawk _____	o	o	o		F
___ Whip-poor-will _____	o	o			F

### Swifts

___ Chimney Swift _____	c	c	c		M
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	s	S	F	W	H
<b>Hummingbirds</b>					
___ • Ruby-throated Hummingbird	c	c	c		F
<b>Kingfishers</b>					
___ • Belted Kingfisher	c	u	c	c	W
<b>Woodpeckers</b>					
___ Red-headed Woodpecker	r		r	r	F
___ • Red-bellied Woodpecker	c	c	c	c	F
___ Yellow-bellied Sapsucker	o		o	o	F
___ • Downy Woodpecker	c	c	c	c	F
___ • Hairy Woodpecker	u	u	u	u	F
___ • Northern Flicker	c	c	c	o	F
<b>Tapaculos</b>					
___ • Eastern Wood-Pewee	c	a	c		F
___ • Acadian Flycatcher	u	c	o		F
___ Alder Flycatcher	r		r		F
___ • Willow Flycatcher	o	c	o		F
___ Least Flycatcher	o		o		F
___ • Eastern Phoebe	c	u	c	r	F
___ • Great Crested Flycatcher	c	c	c		F
___ • Eastern Kingbird	c	a	c		F/M
<b>Shrikes</b>					
___ Loggerhead Shrike	r		r	r	F
<b>Vireos</b>					
___ • White-eyed Vireo	c	c	c		F
___ Solitary Vireo	o		o		F
___ • Yellow-throated Vireo	o	o	o		F
___ • Red-eyed Vireo	a	a	a		F
<b>Crows– Jays</b>					
___ • Blue Jay	c	c	c	c	F
___ • American Crow	c	c	c	c	F
___ • Fish Crow	c	c	c	o	F/W
<b>Larks</b>					
___ • Horned Lark	u	o	u	u	M
<b>Swallows</b>					
___ • Purple Martin	c	c	o		M/W
___ • Tree Swallow	c	a	a	r	M/W
___ Northern Rough-winged Swallow	u	o	u		M/W
___ Bank Swallow	o	c	c		M/W



	s	S	F	W	H
___ • Barn Swallow _____	c	c	c	r	M/W

### Chickadees – Titmice

___ Black-capped Chickadee _____			r	r	F
___ • Carolina Chickadee _____	c	c	c	c	F
___ • Tufted Titmouse _____	c	c	c	c	F

### Nuthatches

___ Red-breasted Nuthatch _____	o		u	u	F
___ White-breasted Nuthatch _____	u	o	u	u	F

### Creepers

___ Brown Creeper _____	c		c	c	F
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### Wrens

___ • Carolina Wren _____	c	c	c	c	F
___ • House Wren _____	c	c	c	r	F
___ Winter Wren _____	u		c	c	F
___ • Sedge Wren _____	o	o	o	r	W
___ • Marsh Wren _____	c	c	c	o	W

### Kinglets

___ Golden-crowned Kinglet _____	o		c	c	F
___ Ruby-crowned Kinglet _____	c		c	o	F

### Old World Warblers

___ • Blue-gray Gnatcatcher _____	c	u	o	r	F
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### Thrushes

___ • Eastern Bluebird _____	u	u	u	u	F/M
___ Veery _____	c	o	c		F
___ Gray-cheeked Thrush _____	o		o		F
___ Swainson's Thrush _____	u		u		F
___ Hermit Thrush _____	c		c	o	F
___ • Wood Thrush _____	c	c	c		F
___ • American Robin _____	c	c	c	o	F/M

### Mimic Thrushes

___ • Gray Catbird _____	c	c	c	c	F
___ • Northern Mockingbird _____	c	c	c	c	F/M
___ • Brown Thrasher _____	c	c	c	o	F

### Starlings

___ • European Starling _____	a	a	a	a	F/M/W
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### Wagtails – Pipits

___ American Pipit _____	u		u	o	M/W
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	s	S	F	W	H
<b>Waxwings</b>					
___ • Cedar Waxwing _____	o	r	o	o	F
<b>Wood Warblers</b>					
___ Blue-winged Warbler _____	o		o		F
___ Golden-winged Warbler _____	o		o		F
___ Tennessee Warbler _____	o		o		F
___ Nashville Warbler _____	o		o		F
___ Northern Parula _____	c	o	c		F
___ • Yellow Warbler _____	c	c	c		F
___ Chestnut-sided Warbler _____	c	o	c		F
___ Magnolia Warbler _____	c		c		F
___ Cape May Warbler _____	o		o		F
___ Black-throated Blue Warbler _____	c		c		F
___ Yellow-rumped Warbler _____	a		a	c	F
___ Black-throated Green Warbler _____	c		c		F
___ Blackburnian Warbler _____	o	o	o		F
___ Pine Warbler _____	c	o	o		F
___ Prairie Warbler _____	c	o	o		F
___ Palm Warbler _____	c		c	r	F
___ Bay-breasted Warbler _____	o		o		F
___ Blackpoll Warbler _____	c		c		F
___ Cerulean Warbler _____	r				F
___ Black-and-white Warbler _____	c	o	c		F
___ • American Redstart _____	c	o	c		F
___ • Prothonotary Warbler _____	u	o	o		F/W
___ Worm-eating Warbler _____	o		r		F

*Black-and-white warbler*



___ Ovenbird _____	c	u	c		F
___ Northern Waterthrush _____	c	o	c		F/W
___ • Louisiana Waterthrush _____	o	o	o		F/W
___ • Kentucky Warbler _____	u	u	o		F
___ • Common Yellowthroat _____	c	a	c	r	F/W
___ Hooded Warbler _____	r	r	r		F
___ Wilson's Warbler _____	o		o		F
___ Canada Warbler _____	c	o	o		F
___ • Yellow-breasted Chat _____	u	u	u	r	F

### Tanagers

___ • Scarlet Tanager _____	c	c	c		F
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	s	S	F	W	H
<b>Towhees – Sparrows</b>					
___ • Eastern Towhee _____	c	c	c	o	F
___ • American Tree Sparrow _____	o		u	u	F
___ • Chipping Sparrow _____	u	u	u	r	F/M
___ • Field Sparrow _____	c	c	c	c	F/M
___ Savannah Sparrow _____	c	r	c	c	F/W
___ • Grasshopper Sparrow _____	o	u	o		M
___ • Salt marsh sharp-tailed Sparrow _____	a	a	a	o	W
___ • Seaside Sparrow _____	a	a	a	o	W
___ Fox Sparrow _____	o		u	u	F
___ • Song Sparrow _____	c	c	c	c	F
___ • Swamp Sparrow _____	c	c	c	c	M/W
___ White-throated Sparrow _____	a		a	a	F
___ White-crowned Sparrow _____	o		o	o	F
___ Dark-eyed Junco _____	c		c	c	F
___ Lapland Longspur _____				o	M
___ Snow Bunting _____			o	u	M

### Cardinals – Grosbeaks – Allies

___ • Northern Cardinal _____	c	c	c	c	F
___ Rose-breasted Grosbeak _____	o	u	o		F
___ • Blue Grosbeak _____	c	c	u		F
___ • Indigo Bunting _____	c	c	u		F/M

### Blackbirds – Orioles

___ Bobolink _____		u	c		M
___ • Red-winged Blackbird _____	a	a	a	a	F/M/W
___ • Eastern Meadowlark _____	u	u	u	u	M
___ Rusty Blackbird _____	c		c	u	F/W
___ Boat-tailed Grackle _____	o	o	u	u	W/M
___ • Common Grackle _____	a	c	a	c	F/M
___ • Brown-headed Cowbird _____	c	c	c	c	F/M
___ • Orchard Oriole _____	c	u	o		F
___ • Northern Oriole _____	u	u	o		F

### Finches

___ Purple Finch _____	o		r	r	F
___ • House Finch _____	o		u	u	F
___ Common Redpoll _____			r	r	F
___ Pine Siskin _____	r		r	r	F
___ • American Goldfinch _____	u	c	c	u	F
___ Evening Grosbeak _____	r		r	r	F

### Old World Sparrows

___ • House Sparrow _____	u	u	u	u	F
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