

U.S. Fish & Wildlife Service

Bombay Hook

*National Wildlife
Refuge*

Birds

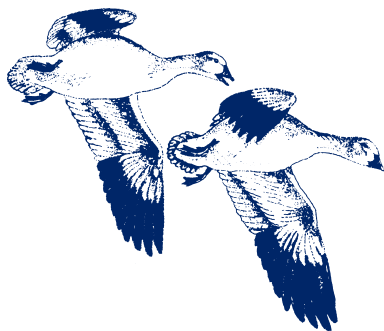


Introduction

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 _____

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

s	spring	March – May
S	summer	June – August
F	fall	September – November
W	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.

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

Habitat Types

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



Black-necked stilt

	s	S	F	W	H
Loons – Grebes					
___ 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
Pelican					
___ American White Pelican _____		r		r	W

	s	S	F	W	H
Cormorant					
___ Double-crested Cormorant ___	u	u	c	u	W
Bitterns – Herons					
___ • 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

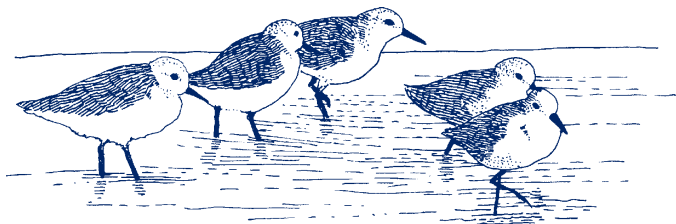
Gallinaceous Birds

_____ • 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
Plovers – Sandpipers					
___ 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
Oystercatchers					
___ American Oystercatcher _____	r				W
Stilts and Avocets					
___ • Black-necked Stilt _____	u	c	o		W
___ American Avocet _____	u	c	u	r	W
Sandpipers					
___ 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
Hummingbirds					
___ • Ruby-throated Hummingbird	c	c	c		F
Kingfishers					
___ • Belted Kingfisher	c	u	c	c	W
Woodpeckers					
___ 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
Tapaculos					
___ • 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
Shrikes					
___ Loggerhead Shrike	r		r	r	F
Vireos					
___ • 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
Crows– Jays					
___ • Blue Jay	c	c	c	c	F
___ • American Crow	c	c	c	c	F
___ • Fish Crow	c	c	c	o	F/W
Larks					
___ • Horned Lark	u	o	u	u	M
Swallows					
___ • 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
Waxwings					
___ • Cedar Waxwing _____	o	r	o	o	F
Wood Warblers					
___ 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
Towhees – Sparrows					
___ • 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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