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U.S. Fish & Wildlife Service

Bombay Hook

*National Wildlife
Refuge*

Birds



Black-necked stilts
Bryan Feyock

Introduction



This goose, designed by J.N. "Ding" Darling, has become the symbol of the National Wildlife Refuge System.

Bombay Hook National Wildlife Refuge lies low and flat on the Atlantic Coastal Plain along the western shore of Delaware Bay. Nearly three-fourths 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

This brochure lists 278 species that have been identified on or seen from the refuge, and is in accordance with the seventh 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

Sp Spring	March – May
S Summer	June – August
F Fall	September – November
W Winter	December – February

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 (H)

f Forest, woodlands, thickets
w Wetlands (includes all bodies of water and fresh and salt water marshes)
m Meadows, fields

- Birds known to nest on or near the refuge.
Italics indicate federally threatened/endangered species.



Black-necked stilt

Loons

___ Red-throated Loon _____	Sp	S	F	W	H
___ Common Loon _____	o		r	r	w
	o		o	o	w

Grebes

___ • Pied-billed Grebe _____	Sp	S	F	W	H
___ Horned Grebe _____	o	o	u	o	w
	o		o	o	w

Cormorants

___ Double-crested Cormorant ___	Sp	S	F	W	H
	c	c	c	u	w

	Sp	S	F	W	H
Bitterns – Herons					
___ • American Bittern _____	o	r	u	o	w
___ • Least Bittern _____	u	u	o		w
___ Great Blue Heron _____	c	c	c	c	w/m
___ Great Egret _____	a	a	c	o	w/m
___ Snowy Egret _____	a	a	c	r	w/m
___ Little Blue Heron _____	u	c	c		w
___ Tricolored Heron _____	o	u	o		w
___ Cattle Egret _____	o	o	o		w/m
___ • Green-backed Heron _____	c	c	c		w
___ Black-crowned Night-Heron _____	c	c	c	u	w
___ Yellow-crowned Night-Heron _____	o	u	u		w

Ibises

___ White Ibis _____		r	r		w/m
___ Glossy Ibis _____	a	a	c		w/m
___ White-faced Ibis _____		r			w/m

Vultures

___ Black Vulture _____	u	u	u	u	f/m/w
___ Turkey Vulture _____	c	c	c	c	f/m/w



Black duck

Swans – Geese – Ducks

___ Greater White-fronted Goose _____	r		o	o	w/m
___ Snow Goose _____	a	o	a	a	w/m
___ Ross' Goose _____	r		r	r	w/m
___ • Canada Goose _____	a	a	a	a	w/m
___ Mute Swan _____	o	o	o	o	w/m
___ Tundra Swan _____	u		c	u	w/m
___ • Wood Duck _____	c	a	a	o	w/f
___ • Gadwall _____	c	c	a	u	w
___ Eurasian Wigeon _____	r		r	r	w
___ American Wigeon _____	c	o	c	u	w/m
___ • American Black Duck _____	c	u	c	c	w

	Sp	S	F	W	H
___ • Mallard _____	a	c	a	a	w/m
___ • Blue-winged Teal _____	c	u	a		w/m
___ • Northern Shoveler _____	a	o	a	u	w
___ Northern Pintail _____	a	o	a	a	w
___ Green-winged Teal _____	a	o	a	c	w/m
___ Canvasback _____			o	o	w
___ Redhead _____			r	r	w
___ Ring-necked Duck _____	c		u	r	w
___ Greater Scaup _____	c		c	c	w
___ Lesser Scaup _____	c		a	a	w
___ Surf Scoter _____	o		u	u	w
___ White-winged Scoter _____	o		o	o	w
___ Black Scoter _____	o		o	o	w
___ Long-tailed Duck _____			u	o	w
___ Bufflehead _____	c		c	c	w
___ Common Goldeneye _____	u		u	u	w
___ Hooded Merganser _____	u	r	u	u	w
___ Common Merganser _____	u		o	c	w
___ Red-breasted Merganser _____	u		u	u	w
___ Ruddy Duck _____	c	u	a	a	w

Osprey – Kites – Hawks – Eagles

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

Falcons

___ • American Kestrel _____	c	o	c	c	m/f
___ Merlin _____	u		u	r	w/f
___ Peregrine Falcon _____	u	o	u	o	w/f

Gallinaceous Birds

___ • Ring-necked Pheasant _____	c	c	c	c	m/f
___ • Wild Turkey _____	u	u	u	u	m/f
___ • Northern Bobwhite _____	c	c	u	u	m/f

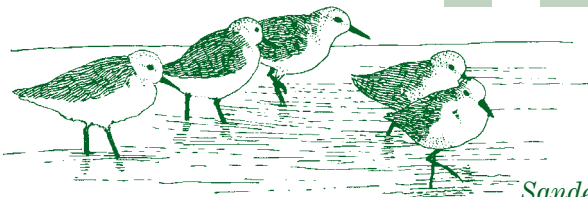
	Sp	S	F	W	H
Rails					
___ Yellow Rail _____	r		r		w
___ Black Rail _____	o	o	r		w
• Clapper Rail _____	c	c	c	u	w
• King Rail _____	o	o	o	r	w
• Virginia Rail _____	u	u	u	o	w
___ Sora _____	u	o	o		w
• Common Moorhen _____	o	u	o	r	w
• American Coot _____	u		u	u	w

	Sp	S	F	W	H
Plovers					
___ Black-bellied Plover _____	c	u	c	o	w/m
___ American Golden-Plover _____	r	r	u		m/w
___ Semipalmated Plover _____	a	a	c		w/m
• Killdeer _____	c	c	c	u	m/w

	Sp	S	F	W	H
Oystercatchers					
___ American Oystercatcher _____	r	r			w

	Sp	S	F	W	H
Stilts – Avocets					
• Black-necked Stilt _____	c	c	u		w
___ American Avocet _____	a	a	a	o	w

	Sp	S	F	W	H
Sandpipers					
___ Greater Yellowlegs _____	a	a	a	u	w/m
___ Lesser Yellowlegs _____	a	a	a	o	w/m
___ Solitary Sandpiper _____	o	u	u		w/m
• Willet _____	a	a	u		w
___ Spotted Sandpiper _____	c	c	c		w
___ Upland Sandpiper _____	r		r		m
___ Whimbrel _____	r	r	r		m/w
___ Hudsonian Godwit _____		o	o		w
___ Marbled Godwit _____		r	r		w
___ Ruddy Turnstone _____	a	u	u		w
___ Red Knot _____	a	o	o		w
___ Sanderling _____	a	u	c	o	w
___ Semipalmated Sandpiper _____	a	a	a		w/m
___ Western Sandpiper _____	r	a	a	r	w/m



Sanderlings

	Sp	S	F	W	H
___ Least Sandpiper _____	c	c	c	r	w/m
___ White-rumped Sandpiper _____	c	u	u		w/m
___ Baird's Sandpiper _____		r	r		w/m
___ Pectoral Sandpiper _____	c	c	c	r	w/m
___ Dunlin _____	a	o	a	a	w
___ Curlew Sandpiper _____	o	o	r		w
___ Stilt Sandpiper _____	u	c	c		w
___ Buff-breasted Sandpiper _____		r	r		m/w
___ Ruff _____	o	o	o		w/m
___ Short-billed Dowitcher _____	a	a	a		w/m
___ Long-billed Dowitcher _____	c	u	a	r	w/m
___ Common Snipe _____	u		u	u	w/m
• American Woodcock _____	c	u	c	o	w/f
___ Wilson's Phalarope _____	o	u	o		w
___ Red-necked Phalarope _____	o		r		w



Woodcock

	Sp	S	F	W	H
Gulls – Terns – Skimmer					
___ Laughing Gull _____	a	a	a		w/m
___ Black-headed Gull _____	r				w
___ Bonaparte's Gull _____	u	r	o	u	w
___ Ring-billed Gull _____	a	c	a	a	w/m
___ Herring Gull _____	a	a	a	a	w/m
___ Lesser Black-backed Gull _____	r	r	o	o	w/m
___ Great Black-backed Gull _____	c	c	c	c	w/m
___ Gull-billed Tern _____	o	o			w
___ Caspian Tern _____	u	u	u		w
___ Royal Tern _____		r	o		w
___ Common Tern _____	r	r	r		w
• Forster's Tern _____	c	a	c		w
___ Least Tern _____	o	o	o		w
___ White-winged Tern _____		r			w
___ Black Tern _____	r	o	o		w
___ Black Skimmer _____	o	u	o		w

	Sp	S	F	W	H
Doves					
___ • Rock Dove _____	u	u	u	u	m
___ • Mourning Dove _____	c	c	a	a	m/f

	Sp	S	F	W	H
Cuckoos					
___ • Black-billed Cuckoo _____	o	o	o		f
___ • Yellow-billed Cuckoo _____	c	c	u		f



Great horned owl

	Sp	S	F	W	H
Barn Owls					
___ • Barn Owl _____	u	u	u	u	f

	Sp	S	F	W	H
Typical Owls					
___ • Eastern Screech-Owl _____	c	c	c	c	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	u	m/w
___ Northern Saw-whet Owl _____	r		r	r	f

	Sp	S	F	W	H
Nightjars					
___ Common Nighthawk _____		r	r		f
___ Whip-poor-will _____	o	o			f

	Sp	S	F	W	H
Swifts					
___ Chimney Swift _____	u	u	u		m

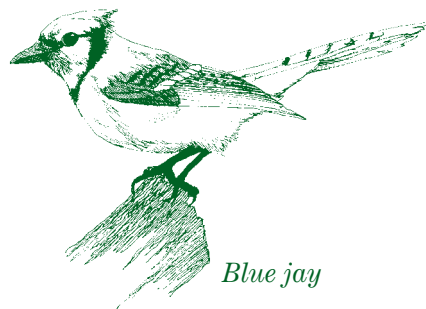
	Sp	S	F	W	H
Hummingbirds					
___ • Ruby-throated Hummingbird _____	c	c	c		f

	Sp	S	F	W	H
Kingfishers					
___ • Belted Kingfisher _____	c	u	c	u	w

	Sp	S	F	W	H
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	c	f

	Sp	S	F	W	H
Tyrant Flycatchers					
___ Olive-sided Flycatcher _____	r		r		f
___ • Eastern Wood-Pewee _____	c	c	c		f
___ • Acadian Flycatcher _____	c	c	o		f
___ Alder Flycatcher _____	r		r		f
___ • Willow Flycatcher _____	u	u	o		f
___ Least Flycatcher _____	o		o		f
___ • Eastern Phoebe _____	c	u	c	r	f
___ • Great Crested Flycatcher _____	c	c	u		f
___ • Eastern Kingbird _____	c	a	c		f/m
___ Scissor-tailed Flycatcher _____		r			f/m

	Sp	S	F	W	H
Vireos					
___ • White-eyed Vireo _____	c	c	c		f
___ Blue-headed Vireo _____	o		u		f
___ Warbling Vireo _____	r		r		f
___ Philadelphia Vireo _____			r		f
___ • Yellow-throated Vireo _____	u	o	o		f
___ • Red-eyed Vireo _____	a	a	a		f



Blue jay

	Sp	S	F	W	H
Crows – Jays					
___ • Blue Jay _____	a	c	a	c	f
___ • American Crow _____	c	c	c	u	f
___ • Fish Crow _____	c	c	c	o	f/w

	Sp	S	F	W	H
Larks					
___ • Horned Lark _____	u	u	u	u	m
Swallows					
___ • Purple Martin _____	c	c	o		m/w
___ • Tree Swallow _____	a	a	a	r	m/w
___ Northern Rough-winged Swallow _____	u	u	u		m/w
___ Bank Swallow _____	c	a	u		m/w
___ Cliff Swallow _____	o	o	o		m/w
___ • Barn Swallow _____	c	c	c		m/w

	Sp	S	F	W	H
Titmice – Chickadees					
___ • Carolina Chickadee _____	c	c	c	c	f
___ • Tufted Titmouse _____	c	c	c	c	f

	Sp	S	F	W	H
Nuthatches					
___ Red-breasted Nuthatch _____	u		u	o	f
___ White-breasted Nuthatch _____	o	o	o	o	f

	Sp	S	F	W	H
Creepers					
___ Brown Creeper _____	u		u	u	f

	Sp	S	F	W	H
Wrens					
___ • Carolina Wren _____	c	c	c	c	f
___ • House Wren _____	c	c	c	r	f
___ Winter Wren _____	u		u	u	f
___ • Sedge Wren _____	o	o	o	r	w
___ • Marsh Wren _____	c	c	c	o	w



Wren

	Sp	S	F	W	H
Kinglets					
___ Golden-crowned Kinglet _____	c		c	c	f
___ Ruby-crowned Kinglet _____	c		c	u	f

	Sp	S	F	W	H
Old World Warblers – Gnatcatchers					
___ • Blue-gray Gnatcatcher _____	c	u	o		f

	Sp	S	F	W	H
Thrushes					
___ • Eastern Bluebird _____	u	u	u	u	f/m
___ Veery _____	u	r	u		f
___ Gray-cheeked Thrush _____	o		o		f
___ Bicknell's Thrush _____	o		o		f
___ Swainson's Thrush _____	u		u		f
___ Hermit Thrush _____	c		c	u	f
___ • Wood Thrush _____	c	c	u		f
___ • American Robin _____	a	c	a	c	f/m

	Sp	S	F	W	H
Mimic Thrushes					
___ • Gray Catbird _____	a	c	a	o	f
___ • Northern Mockingbird _____	c	c	c	c	f/m
___ • Brown Thrasher _____	c	c	c	o	f

	Sp	S	F	W	H
Starlings					
___ • European Starling _____	a	a	a	a	f/m/w

	Sp	S	F	W	H
Wagtails – Pipits					
___ American Pipit _____	u		u	u	m/w

	Sp	S	F	W	H
Waxwings					
___ • Cedar Waxwing _____	c	o	c	u	f

Black-and-white warbler



	Sp	S	F	W	H
Wood Warblers					
___ Blue-winged Warbler _____	o		o		f
___ Golden-winged Warbler _____	r		r		f
___ Tennessee Warbler _____	o		o		f
___ Orange-Crowned Warbler _____		r		r	f
___ Nashville Warbler _____	o		o		f
___ Northern Parula _____	c	o	c		f
___ • Yellow Warbler _____	c	c	u		f
___ Chestnut-sided Warbler _____	c		c		f
___ Magnolia Warbler _____	c		c		f
___ Cape May Warbler _____	o		o		f
___ Black-throated Blue Warbler _____	c		c		f

	Sp	S	F	W	H
___ Yellow-rumped Warbler _____	a		a	c	f
___ Black-throated Green Warbler _____	c		c		f
___ Blackburnian Warbler _____	u		u		f
___ Pine Warbler _____	o	o	o		f
___ Prairie Warbler _____	u	r	o		f
___ Palm Warbler _____	c		c	r	f
___ Bay-breasted Warbler _____	o		o		f
___ Blackpoll Warbler _____	c		u		f
___ Cerulean Warbler _____	r				f
___ Black-and-white Warbler _____	c	o	c		f
• American Redstart _____	c	o	c		f
• Prothonotary Warbler _____	o	o	r		f/w
___ Worm-eating Warbler _____	o		r		f
___ Ovenbird _____	c	u	u		f
___ Northern Waterthrush _____	u	r	u		f/w
• Louisiana Waterthrush _____	o	o	o		f/w
• Kentucky Warbler _____	u	u	o		f
___ Connecticut Warbler _____			r		f
___ Mourning Warbler _____	o		o		f
• Common Yellowthroat _____	a	a	c	o	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

___ Summer Tanager _____	o				f
• Scarlet Tanager _____	c	c	u		f

Sparrows – Towhees

• Eastern Towhee _____	c	c	c	u	f
___ American Tree Sparrow _____	o		o	u	f
• Chipping Sparrow _____	u	u	u	r	f/m
• Field Sparrow _____	c	c	c	u	f/m
___ Savannah Sparrow _____	a		a	u	f/w
• Grasshopper Sparrow _____	o	u	o	r	m
___ Nelson's Sharp-tailed Sparrow _____	u		u	o	w/m
• Saltmarsh Sharp-tailed Sparrow _____	u	u	u	o	w
• Seaside Sparrow _____	a	a	c	o	w
___ Fox Sparrow _____	u		u	u	f
• Song Sparrow _____	a	c	a	a	f

	Sp	S	F	W	H
___ • 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 _____	r			o	m
___ Snow Bunting _____			o	o	m

Cardinals – Grosbeaks – Allies

___ • Northern Cardinal _____	c	c	c	c	f
___ Rose-breasted Grosbeak _____	u		u		f
___ • Blue Grosbeak _____	u	u	u		f
___ • Indigo Bunting _____	c	c	u		f/m
___ Dickcissel _____		r	r		m



Red-winged blackbird

Blackbirds – Orioles

___ Bobolink _____	o	c	a		m
___ • Red-winged Blackbird _____	a	a	a	a	f/m/w
___ • Eastern Meadowlark _____	u	u	u	u	m
___ Rusty Blackbird _____	u		u	u	f/w
___ Boat-tailed Grackle _____	o	o	c	u	w/m
___ • Common Grackle _____	a	a	a	a	f/m
___ • Brown-headed Cowbird _____	c	c	c	u	f/m
___ • Orchard Oriole _____	c	c	o		f
___ • Baltimore Oriole _____	u	u	o		f



Goldfinch

Finches

	Sp	S	F	W	H
___ Purple Finch _____	o		o	o	f
___ • House Finch _____	u	u	u	u	f
___ Common Redpoll _____			r	r	f
___ Pine Siskin _____	r		o	r	f
___ • American Goldfinch _____	a	c	a	c	f
___ Evening Grosbeak _____	r		r	r	f

Old World Sparrows

___ • House Sparrow _____	u	u	u	u	f
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Sparrow

NOTES

Location _____

Date _____ Time _____

Observers _____

Weather _____

This brochure was partially funded by Friends of Bombay Hook, Inc.

