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John Heinz

National Wildlife Refuge at Tinicum

Birds



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Introduction



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

The John Heinz National Wildlife Refuge at Tinicum was established by public law (PL 92-326) in 1972 to protect the last 205 acres of freshwater tidal marsh in Pennsylvania. When acquisition is completed, the refuge will total nearly 1200 acres. The refuge is located in Philadelphia and Delaware County, not far from the Philadelphia International Airport.

Over the years, nature and man have created a variety of habitats at the refuge and the nearby areas. These habitats include Darby Creek, ponds, freshwater tidal marshes, old fields, and lowland woods.

Bird watchers have recorded more than 300 species of birds on the refuge and the nearby areas. Over 80 species nest at the refuge. Migratory birds such as Great blue herons, egrets, Canada geese, killdeer, sandpipers, and a large variety of ducks use the refuge as a resting and feeding stopover as they move along the Atlantic Flyway in the spring and fall. The refuge is well known for warblers, too – over 35 species have been recorded here.



Great Blue Heron

This brochure lists more than 300 birds that have been identified on the refuge, and is in accordance with the American Ornithologists Union Birdlist.

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

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

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

	Sp	S	F	W
Swans, Geese and Ducks				
___ Tundra Swan _____	r		r	r
___ Mute Swan _____	u	u	u	u
___ Snow Goose _____	r	r	r	r
___ • Canada Goose _____	a	a	a	c
___ Brant _____	r		r	r
___ • Wood Duck _____	a	c	a	o
___ Gadwall _____	o	r	o	o
___ Eurasian Wigeon _____	r		r	r
___ American Wigeon _____	o		o	o
___ • American Black Duck _____	c	o	c	c
___ • Mallard _____	a	a	a	c
___ • Blue-winged Teal _____	u	r	u	r
___ • Northern Pintail _____	c	o	c	c
___ • Northern Shoveler _____	c	r	c	o
___ • Green-winged Teal _____	c	o	a	c
___ Canvasback _____	o		o	r
___ Redhead _____	r	r	r	r
___ Ring-necked Duck _____	o	r	o	o
___ Greater Scaup _____	c	r	o	o
___ Lesser Scaup _____	o		o	o

	Sp	S	F	W
___ White-winged Scoter _____	r		r	r
___ Long-tailed Duck _____	r		r	r
___ Bufflehead _____	o		o	r
___ Common Goldeneye _____	r	r	r	r
• Hooded Merganser _____	o	r	o	r
___ Common Merganser _____	o		o	c
___ Red-breasted Merganser _____	o		r	r
___ Ruddy Duck _____	c	o	c	c

Gallinaceous Birds

___ • Ring-necked Pheasant _____	o	o	o	o
___ Wild Turkey _____	o	o	o	o
___ • Northern Bobwhite _____	r	r	r	r

Loons

___ Red-throated Loon _____			r	r
___ Common Loon _____	o		o	o

Grebes

___ • Pied-billed Grebe _____	c	r	c	o
___ Horned Grebe _____	r		r	r
___ Eared Grebe _____	r		r	
___ Red-necked Grebe _____	r			r

Gannets

___ Northern Gannet _____			r	r
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Cormorants

___ Double-crested Cormorant _____	c	c	c	c
___ Great Cormorant _____	r			r

Bitterns, Herons and Egrets

___ • American Bittern _____	c	r	o	r
___ • Least Bittern _____	o	c	o	
___ Great Blue Heron _____	a	c	a	c
___ • Great Egret _____	a	a	a	r
___ • Snowy Egret _____	a	a	a	



Wood Ducks

	Sp	S	F	W
___ Little Blue Heron _____	o	c	c	
___ Tricolored Heron _____	o	o	o	
___ Cattle Egret _____	o	o	r	
___ • Green Heron _____	c	a	a	r
___ • Black-crowned Night-Heron _____	a	a	a	o
___ Yellow-crowned Night-Heron _____	r	r	r	

Ibises

___ White Ibis _____	r		r	
___ Glossy Ibis _____	o	o	o	



Red-Tailed Hawk

New World Vultures

___ Black Vulture _____	o	c	o	r
___ Turkey Vulture _____	o	c	o	o

Osprey, Hawks and Eagles

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

	Sp	S	F	W
Falcons and Caracaras				
• American Kestrel	o	o	o	o
Merlin	o	r	o	r
Peregrine Falcon	r	r	r	r

Rails

Yellow Rail	r		r	
• King Rail	o	o	o	r
• Virginia Rail	o	o	o	r
• Sora	o	o	o	r
• Common Moorhen	o	o	u	r
• American Coot	c	o	c	o

Piping plovers
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Plovers

Black-bellied Plover	o	r	c	r
American Golden-Plover	r		c	
Semipalmated Plover	c	r	c	
<i>Piping Plover</i>	r		r	
• Killdeer	a	a	a	o

Sandpipers and Phalaropes

Greater Yellowlegs	c	o	c	r
Lesser Yellowlegs	o	o	o	r
Solitary Sandpiper	c	o	c	
Willet	r		r	
• Spotted Sandpiper	c	c	c	
Upland Sandpiper	r	r	r	
Whimbrel	r		r	
Hudsonian Godwit			o	
Marbled Godwit			r	
Ruddy Turnstone	r	r	r	
Red Knot	r		r	
Sanderling	r		r	
Semipalmated Sandpiper	c	o	c	r
Western Sandpiper		r	o	r

	Sp	S	F	W
Least Sandpiper	o	o	o	r
White-rumped Sandpiper	o	o	o	
Baird's Sandpiper	r	r	r	
Pectoral Sandpiper	c	o	c	r
Dunlin	o		o	r
Curlew Sandpiper	r	r	r	
Stilt Sandpiper	r	r	o	
Buff-breasted Sandpiper			r	
Ruff	o	r	o	r
Short-billed Dowitcher	o	r	o	r
Long-billed Dowitcher	o	r	o	r
Wilson's Snipe	c	r	c	o
• American Woodcock	c	c	c	r
Wilson's Phalarope	r	r	r	
Red-necked Phalarope	r		r	

Gulls and Terns

Laughing Gull	o	o	c	r
Bonaparte's Gull	o	r	o	r
Ring-billed Gull	c	o	c	c
Herring Gull	c	o	c	c
Iceland Gull	r		r	r
Glaucous Gull	r		r	r
Great Black-backed Gull	c	o	c	c
Lesser Black-backed Gull	u		u	
Gull-billed Tern			r	
Caspian Tern	o	r	o	
Royal Tern			r	
Common Tern	r	r	r	
Forster's Tern	r	o	c	
<i>Least Tern</i>	r	r	r	
Black Tern	o	r	o	



Great Horned Owl

	Sp	S	F	W
Pigeons and Doves				
___ Rock Pigeon _____	e	c	e	e
___ • Mourning Dove _____	e	c	e	e
Cuckoos				
___ • Black-billed Cuckoo _____	u	u	u	
___ • Yellow-billed Cuckoo _____	u	u	u	
Barn Owls				
___ • Barn Owl _____	e	e	e	e
Typical Owls				
___ • Eastern Screech-Owl _____	r	r	r	r
___ • Great Horned Owl _____	e	e	e	e
___ Snowy Owl _____	r		r	r
___ Barred Owl _____	r	r	r	r
___ Long-eared Owl _____	r		r	r
___ Short-eared Owl _____	o		o	o
___ Northern Saw-whet Owl _____	r		r	o
Nightjars				
___ • Common Nighthawk _____	e	o	e	
___ Whip-poor-will _____	r	r	r	
Swifts				
___ • Chimney Swift _____	e	e	e	
Hummingbirds				
___ • Ruby-throated Hummingbird _____	e	o	e	
Kingfishers				
___ Belted Kingfisher _____	e	o	e	o
Woodpeckers				
___ Red-headed Woodpecker _____	r	r	r	
___ • Red-bellied Woodpecker _____	r	r	r	r
___ Yellow-bellied Sapsucker _____	u	r	o	r
___ • Downy Woodpecker _____	e	e	e	e
___ • Hairy Woodpecker _____	o	o	o	o
___ • Northern Flicker _____	e	e	e	o
Tyrant Flycatchers				
___ Olive-sided Flycatcher _____	r		u	
___ Eastern Wood-Pewee _____	o	r	o	
___ Yellow-bellied Flycatcher _____	r	r	u	
___ Acadian Flycatcher _____	r	r	u	

	Sp	S	F	W
___ Alder Flycatcher _____	o		u	
___ • Willow Flycatcher _____	e	e	u	
___ • Least Flycatcher _____	r	r	u	
___ • Eastern Phoebe _____	e	o	o	r
___ • Great Crested Flycatcher _____	o	r	o	
___ Western Kingbird _____			r	
___ • Eastern Kingbird _____	e	e	e	
___ Hammond's Flycatcher _____			r	

Shrikes

___ Loggerhead Shrike _____	r	r	r	r
___ Northern Shrike _____				r

Vireos

___ • White-eyed Vireo _____	e	e	e	
___ Yellow-throated Vireo _____	o	r	o	
___ Blue-headed Vireo _____	e	r	e	
___ • Warbling Vireo _____	e	e	e	
___ Philadelphia Vireo _____	r	r	r	
___ • Red-eyed Vireo _____	e	o	e	

Crows and Jays

___ • Blue Jay _____	e	e	e	e
___ • American Crow _____	e	e	e	e
___ • Fish Crow _____	e	e	e	



Chickadee

Larks

___ Horned Lark _____	r	r	r	r
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Swallows

___ • Purple Martin _____	o	r	o	
___ • Tree Swallow _____	a	a	a	
___ Northern Rough-winged Swallow _____	e	o	e	
___ Bank Swallow _____	e	o	e	

	Sp	S	F	W
___ Cliff Swallow _____	o	r	o	
• Barn Swallow _____	a	a	a	
Titmice and Chickadees				
• Carolina Chickadee _____	c	c	c	c
___ Black-capped Chickadee _____	o	r	o	o
• Tufted Titmouse _____	c	c	c	c
Nuthatches				
___ Red-breasted Nuthatch _____	o		o	o
___ White-breasted Nuthatch _____	u	c	c	u
Creepers				
___ Brown Creeper _____	c		c	c
Wrens				
• Carolina Wren _____	c	c	c	c
• House Wren _____	c	c	c	r
___ Winter Wren _____	o		c	r
• Sedge Wren _____	r	r	r	
• Marsh Wren _____	c	c	c	r
Kinglets				
___ Golden-crowned Kinglet _____	o		c	o
___ Ruby-crowned Kinglet _____	c		c	o
• Blue-gray Gnatcatcher _____	o	r	o	r
Thrushes				
___ Eastern Bluebird _____	o		o	r
___ Veery _____	c	o	c	
___ Gray-cheeked Thrush _____	o	o	o	
___ Swainson's Thrush _____	c	o	c	
___ Hermit Thrush _____	o	c	c	r

	Sp	S	F	W
___ Wood Thrush _____	c	c	c	r
• American Robin _____	a	a	a	o
Mimic Thrushes				
• Gray Catbird _____	a	a	a	r
• Northern Mockingbird _____	c	c	c	c
• Brown Thrasher _____	c	c	c	o
Starlings				
• European Starling _____	c	c	c	a
Pipits				
___ American Pipit _____	o	r	o	o
Waxings				
• Cedar Waxwing _____	u	u	u	u
Wood Warblers				
___ Blue-winged Warbler _____	o	o	o	
___ Golden-winged Warbler _____	r	r	r	
___ Tennessee Warbler _____	r	r	r	
___ Orange-crowned Warbler _____	r		o	r
___ Nashville Warbler _____	o	r	o	
___ Northern Parula _____	c	r	c	
• Yellow Warbler _____	a	a	a	r
___ Chestnut-sided Warbler _____	c	r	c	
___ Magnolia Warbler _____	c	r	c	
___ Cape May Warbler _____	o	r	c	
___ Black-throated Blue Warbler _____	c	r	c	
___ Yellow-rumped Warbler _____	c	r	c	o
___ Black-throated Green Warbler _____	c	r	c	
___ Blackburnian Warbler _____	c	r	c	
___ Pine Warbler _____	o	r	o	r
___ Prairie Warbler _____	c	r	c	
___ Palm Warbler _____	c	r	c	r
___ Bay-breasted Warbler _____	c	r	o	
___ Yellow-throated Warbler _____	r		r	
___ Blackpoll Warbler _____	c	r	c	
___ Cerulean Warbler _____	r	r	r	
___ Black-and-white Warbler _____	c	r	c	r
• American Redstart _____	c	r	c	
___ Prothonotary Warbler _____	r	r	u	
___ Worm-eating Warbler _____	r	r	u	
___ Ovenbird _____	c	r	c	
___ Northern Waterthrush _____	c	r	c	r
___ Louisiana Waterthrush _____	r	r	u	



Pintails

	Sp	S	F	W
_____ Kentucky Warbler _____	r	r	u	
_____ Connecticut Warbler _____	r	r	u	
_____ Mourning Warbler _____	o	r	o	
• Common Yellowthroat _____	c	c	c	r
_____ Hooded Warbler _____	r	r	u	
_____ Wilson's Warbler _____	o	r	u	r
_____ Canada Warbler _____	c	r	c	
• Yellow-breasted Chat _____	o		o	r

Tanagers

_____ Summer Tanager _____	r	r	r	
_____ Scarlet Tanager _____	c	r	c	



Red Winged Blackbird

Sparrows and Towhees

• Eastern Towhee _____	c	c	c	r
_____ American Tree Sparrow _____	c		c	c
_____ Chipping Sparrow _____	o	o	o	o
_____ Clay-colored Sparrow _____	r		r	
• Field Sparrow _____	c	o	c	c
_____ Vesper Sparrow _____	c	o	o	o
• Savannah Sparrow _____	c	r	c	r
_____ Grasshopper Sparrow _____	r		r	
_____ Henslow's Sparrow _____	r		r	
_____ Salt Marsh Sharp-tailed Sparrow _____			r	
_____ Fox Sparrow _____	u		u	u
• Song Sparrow _____	c	c	c	c
_____ Lincoln's Sparrow _____	r		r	r
• Swamp Sparrow _____	c	c	c	c
_____ White-throated Sparrow _____	c	r	c	c
_____ White-crowned Sparrow _____	c		c	c
_____ Lark Sparrow _____	r		r	
_____ Harris' Sparrow _____	r			
_____ Dark-eyed Junco _____	c	r	c	c
_____ Lapland Longspur _____	r		r	o
_____ Snow Bunting _____	r		r	r

Cardinals, Grosbeaks and Allies

	Sp	S	F	W
_____ • Northern Cardinal _____	c	c	c	c
_____ Rose-breasted Grosbeak _____	c	r	o	
_____ • Blue Grosbeak _____	u	u	u	r
_____ • Indigo Bunting _____	c	c	c	
_____ Dickcissel _____	r	r	r	r

Blackbirds and Orioles

_____ Bobolink _____	o	r	c	
_____ • Red-winged Blackbird _____	a	a	a	c
_____ • Eastern Meadowlark _____	o	r	o	r
_____ Rusty Blackbird _____	c	r	c	o
_____ Brewer's Blackbird _____			r	r
_____ • Common Grackle _____	c	c	c	o
_____ • Brown-headed Cowbird _____	c	c	c	o
_____ • Orchard Oriole _____	o	u	r	
_____ • Baltimore Oriole _____	c	o	c	r



Goldfinch

Finches

_____ Purple Finch _____	o	r	u	o
_____ • House Finch _____	o	c	c	c
_____ Red Crossbill _____				r
_____ White-winged Crossbill _____				r
_____ Common Redpoll _____	r		r	r
_____ Pine Siskin _____	r	r	o	o
_____ • American Goldfinch _____	c	c	c	c
_____ Evening Grosbeak _____	r		r	r

Old World Sparrows

_____ • House Sparrow _____	c	c	c	c
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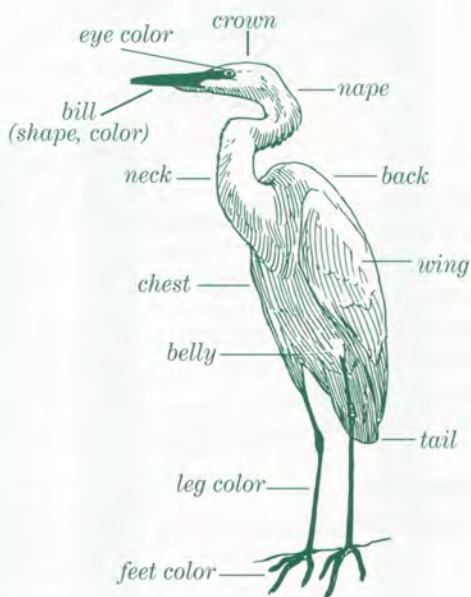
Accidentals

The following species have been sighted outside their normal range:

American White Pelican	Black-backed Woodpecker
Black Rail	Scissor-tailed Flycatcher
Purple Gallinule	Bewick's Wren
Sandhill Crane	Sprague's Pipit
Black-necked Stilt	Golden-crowned Sparrow
American Avocet	Yellow-headed Blackbird
Spotted Redshank	Brewer's Blackbird
Black-tailed Godwit	Boat-tailed Grackle
Spoonbill Sandpiper	Parasitic Jaeger
Black Skimmer	Pileated Woodpecker
Monk Parakeet	Brewster's Warbler

Tips For Field Identification

The identification of birds is greatly aided by simply noting a few key field marks. The diagram below illustrates several of these. In addition, general size, color, habitat, song and behavior help narrow down the options. Many species are similar and can only be distinguished by using a combination of several marks.



U. S. Fish and Wildlife Service

John Heinz National Wildlife Refuge at Tinicum is one of more than 500 refuges in the National Wildlife Refuge System administered by the U. S. Fish and Wildlife Service. The National Wildlife Refuge System is a network of lands and waters managed specifically for the protection of wildlife and wildlife habitat and represents the most comprehensive wildlife management program in the world. Units of the system stretch across the United States from northern Alaska to the Florida Keys and include small islands in the Caribbean and South Pacific. The character of the refuges is as diverse as the nation itself.



Woodcock

The Service also manages national fish hatcheries, and provides Federal leadership in habitat protection, fish and wildlife research, technical assistance and the conservation and protection of migratory birds, certain marine mammals and threatened and endangered species.



American Kestrel

The trails of John Heinz National Wildlife Refuge at Tinicum are open from sunrise until sunset. The Cusano Environmental Education Center is open from 8:30 a.m. until 4:00 p.m. While trails are open every day, the building is closed on federal holidays.

Notes

Location _____

Date _____ Time _____

Observers _____

Weather _____

