



The following abundance codes indicate the likelihood of a bird being encountered. These codes are listed by season for each species. Keep in mind that the months within a season may not match migration timing and a bird may only be present in the early or later part of a season.

- a abundant (a common species in which a hundred or more individuals are likely to be seen in any one location in suitable habitat.)
- c common (certain to be seen in suitable habitat)
- u uncommon (present but not certain to be seen)
- o occasional (seen only a few times during a season)
- r rare (seen only once or twice a year; some years not at all)
- x accidental (has been observed on refuge less than three times in a specified season, within the last ten years)
- \* known or suspected to nest on refuge

This bird list includes 317 species of birds and is based on observations by refuge personnel, visiting ornithologists and birders. If you should find an unlisted, rare or accidental species, please let us know at Refuge Headquarters or record your sighting in eBird. We appreciate your help in updating our records.

	SP	S	F	W
Waterfowl				
Snow Goose	u	X	u	a
Ross's Goose	0		u	u
Greater White-fronted Goose	u		c	a
Cackling Goose	0		c	a
Canada Goose*	c	c	a	a
Mute Swan				r
Tundra Swan			r	r
Wood Duck*	c	c	c	u
Blue-winged Teal	c	0	c	r
Northern Shoveler	c		c	c
Gadwall	c		a	a
Eurasian Wigeon				r
American Wigeon	u		c	a
Mallard*	c	u	a	a
American Black Duck	u	X	u	c
Northern Pintail	c	X	c	a
Green-winged Teal	c	X	c	a
Canvasback	u		u	c
Redhead	u		u	u
Ring-necked Duck	c		c	a
Greater Scaup	u		u	u
Lesser Scaup	c		c	a
Surf Scoter	0		0	r
White-winged Scoter	r		r	r
Black Scoter			r	r
Long-tailed Duck	r		r	r
Bufflehead	c		c	c
Common Goldeneye	u		u	c
Hooded Merganser*	c	u	c	c
Common Merganser			r	0
Red-breasted Merganser	0		u	u
Ruddy Duck	u		c	c
Grouse, Quail, and Allies				
Northern Bobwhite*	u	u	u	u
Wild Turkey*	u	u	u	u

		SP	S	F	W	SI	,	S	F	W	
Pacific Loon	Loons and Grebes					Northern Harrier u					
Common Loon	Red-throated Loon	0		0	0	Sharp-shinned Hawk u		r	u	u	
Pied-billed Grebe	Pacific Loon	0		O	0	Cooper's Hawk* u		0	u	u	
Horned Grebe	Common Loon	u		c	c	Bald Eagle* c		u	c	c	
Red-necked Grebe	Pied-billed Grebe	c	r	c	c	Red-shouldered Hawk* c		c	c	c	
Eared Grebe	Horned Grebe	u		c	c	Broad-winged Hawk* u		0	u		
Western Grebe	Red-necked Grebe			r	r	Red-tailed Hawk* c		c	c	c	
Storks  Wood Stork  Wood Stork  Tellow Rail  Wood Stork  Nellow Rail  King Rail*  Virginia Rail  Nellow Railo	Eared Grebe	$\mathbf{r}$		r	r	Rough-legged Hawk			X	X	
Wood Stork	Western Grebe	X		r	r	Poils Callinules and Allies					
Wood Stork	Starka								r		
Commorants and Anhingas Double-crested Cormorant* a c a c Common Gallinule Anhinga*  Tr r American Coot c r a a a  Pelicans American White Pelican c o a c Sandhill Crane r r r u u  Herons, Ibis and Allies American Bittern u u u u Black-necked Stilt r r x x x  Least Bittern o o o o American Avocet r r r r o Great Blue Heron* a a a a c Black-bellied Plover r o Great Egret* Snowy Egret o u u u u Piping Plover r r x  Little Blue Heron u u u u u Piping Plover r r r o Tricolored Heron x x x x x  Killdeer* c c c c Marbided Godwit x x x r Sellow-crowned Night Heron o o o o Red Knot  White Ibis r r r Sanderling r v u o o Roseate Spoonbill  Roseate Spoonbill  Vultures, Hawks and Allies  Black Vulture* c c c c u Buff-breasted Sandpiper c u c c u c Golden Eglee r c u c c Peterseased Sandpiper c c u c c Golden Eglee r c u c c c c Golden Eglee r c u c c c c c c c c c c c c c c c c c			70	7.0				r			
Sora   U	wood Stork		r	r				-			
Double-crested Cormorant* a c a c Anhinga* r r r r r r Anhinga* r r r r r r Anhinga* r r r r r r r r r r r r r r r r r r r	Cormorants and Anhingas										
Anhinga* r r c Cranes American White Pelican c o a c Sandhill Crane r r u u  Herons, Ibis and Allies American Bittern u u u Black-necked Stilt r r x x x Least Bittern o o o o American Avocet r r r r u o Great Egret* c c c o American Golden-Plover u o u o u Little Blue Heron u u u u Piping Plover r r x Snowy Egret o u u u u Piping Plover r r o o Cattle Egret u u u u U Upland Sandpiper r r o o Green Heron* c c c c c Marbled Godwit x x r r Black-crowned Night Heron o o o r Red Knot x x r Y Yellow-crowned Night Heron o o o o Red Knot x x r Sulfus Stilt Sandpiper u r u u c Cattle Egret u r r r Sanderling r r r r Sanderling r r r r Sanderling r r r Sanderling r r r r San	Double-crested Cormorant*	a	c	a	c			r			
American White Pelican	Anhinga*		r	$\mathbf{r}$						ภ	
American White Pelican c o a c Sandhill Crane r r u u  Herons, Ibis and Allies  American Bittern u u Black-necked Stilt r r x x x  Least Bittern o o o o American Avocet r r r r c Great Blue Heron* a a a a c Black-bellied Plover r o r r Snowy Egret o u o u Semipalmated Plover u o u Little Blue Heron u u u u Piping Plover r r x Tricolored Heron x x x x x Killdeer* c c c c c c C Cattle Egret u u u U Upland Sandpiper r r o Green Heron* c c c c c Marbled Godwit x x r Sellow-crowned Night Heron o o o r Ruddy Turnstone x x x r Yellow-crowned Night Heron o o o r Red Knot x x r Sellow-crowned Night Heron o o o o Red Knot x x r Sellow-crowned Night Heron o o o o Balack-lelied Plover u o u r u o o u Cattle Egret u u u u Dupland Sandpiper r r o o Sellow-crowned Night Heron o o o o Red Knot x x r Sellow-crowned Night Heron o o o o Balack-crowned Night Heron o o o o o Balack-crowned Night Heron o o o o o Color Balack-crowned Night Heron o o o o o Color Balack-crowned Night Heron o o o o o Color Balack-crowned Night Heron o o o o o Color Balack-crowned Night Heron o o o o o Color Balack-crowned Night Heron o o o o o Color Balack-crowned Night Heron o o o o o Color Balack-crowned Night Heron o o o o o Color Balack-crowned Night Heron o o o o o Color Balack-crowned Night Heron o o o o o Color Balack-crowned Night Heron o o o o o Color Balack-crowned Night Heron o o o o o Color Balack-crowned Night Heron o o o o o o Color Balack-crowned Night He	Pelicans					<del></del>			а	а	
Herons, Ibis and Allies  American Bittern  Least Bittern  Great Blue Heron*  Snowy Egret  Little Blue Heron  Tricolored Heron  Great Heron*  Cattle Egret  Great Heron*  Great Heron  Tricolored Heron  Tricolored Heron  Tricolored Heron  Tricolored Heron  Great Heron  Great Egret  Tricolored Heron  Tr		c	0	ด	c			7.0			
American Bittern u u u Black-necked Stilt r x x x	<del></del>	C	Ü	а	C			Γ	u	u	
Least Bittern											
Great Blue Heron*  Great Egret*  C C C C O  Great Egret*  Snowy Egret  U U U U U U U U U U U U U U U U U U U		u		u				X	X		
Great Egret* c c c c o American Golden-Plover o r r Snowy Egret o u o Semipalmated Plover u o u Little Blue Heron u u u u Piping Plover r x Tricolored Heron x x x x Killdeer* c c c c c Cattle Egret u u u U U U U U U U U U U U U U U U U		0	0	0		<del></del>		r	r		
Snowy Egret 0 u 0 Semipalmated Plover u 0 u U U U U Piping Plover r x X X X X X X X X X X X X X X X X X		a	a	a	c				0		
Little Blue Heron u u u u Piping Plover r x   Tricolored Heron x x x x    Cattle Egret u u u u U U U U U U U U U U U U U U U		c	c	c	0	American Golden-Plover o		r	r		
Tricolored Heron x x x x x U Ulpland Sandpiper r r r o Cattle Egret u u u u Ulpland Sandpiper r r r o Green Heron* c c c c Marbled Godwit x x r r Black-crowned Night Heron o o o o r Ruddy Turnstone x x r r Yellow-crowned Night Heron o o o o Red Knot x x r Stilt Sandpiper u r u Glossy Ibis r r r Sanderling x o x o x White-faced Ibis r r r x Dunlin r u o Mite-faced Ibis r r r x Dunlin r u o Case Spoonbill r r r r Baird's Sandpiper r r r o Sandpiper r r r r o Sandpiper r r r r o Sandpiper r r r o Sandpiper r r r r o Sandpiper r r r r o Sandpiper r r r o Sandpiper r r r r s s		0	u	0		Semipalmated Plover u		0	u		
Cattle Egret u u u u U U U U U U U U U U U U U U U	Little Blue Heron	u	u	u		Piping Plover		r	X		
Green Heron*  C C C Marbled Godwit X X T  Black-crowned Night Heron O O O O R  Yellow-crowned Night Heron O O O O Red Knot X  White Ibis T T Stilt Sandpiper U T U  Glossy Ibis T T X  Mite-faced Ibis T T X  Dunlin T U O  White-faced Spoonbill T T T Baird's Sandpiper T T O  Vultures, Hawks and Allies  Black Vulture*  C C C C White-rumped Sandpiper U T T  Turkey Vulture*  C C C C C Buff-breasted Sandpiper C U C  Golden Eagle T U U U Semipalmated Sandpiper C U C  Semipalmated Sandpiper C U C  Marbled Godwit X X X T  Ruddy Turnstone X X X X X T  Ruddy Turnstone X X X X X T  Ruddy Turnstone X X X X X T  Ruddy Turn	Tricolored Heron	X	X	X		$\_\Killdeer^*$ c		c	c	c	
Black-crowned Night Heron o o o o r Ruddy Turnstone x x r r Yellow-crowned Night Heron o o o o Red Knot x x r white Ibis r r r Stilt Sandpiper u r u Glossy Ibis r r x Dunlin r u o Roseate Spoonbill r r r Baird's Sandpiper r r o Vultures, Hawks and Allies Black Vulture* c c c c c White-rumped Sandpiper u r r Turkey Vulture* c c c c c Buff-breasted Sandpiper c u c Golden Eagle r u u u Semipalmated Sandpiper c u c c c c c c c c c c c c c c c c c	Cattle Egret	u	u	u		Upland Sandpiper r		r	0		
Yellow-crowned Night Heron o o o o Red Knot x White Ibis r r r Sanderling u r u Glossy Ibis r r x Dunlin r u o Roseate Spoonbill r r r Baird's Sandpiper r r o  Vultures, Hawks and Allies Black Vulture* c c c c c White-rumped Sandpiper Turkey Vulture* c c c c c Buff-breasted Sandpiper r r Osprey* c c u u Semipalmated Sandpiper c u c Golden Eagle r u u u Semipalmated Sandpiper c u c	Green Heron*	c	c	c		Marbled Godwit x		X	r		
White Ibis r r r Stilt Sandpiper u r u Glossy Ibis r r x Sanderling x o x o x White-faced Ibis Tr x Dunlin r u o Gaseate Spoonbill r r r Sandpiper r r o Sandpiper r r o Sandpiper r r r Sandpiper r r r r o Sandpiper r r r r o Sandpiper r r r r o Sandpiper r r r r r r r r r r r r r r r r r r	Black-crowned Night Heron	0	0	O	r	Ruddy Turnstone x		X	r		
Glossy Ibis r r x Sanderling x o x White-faced Ibis r x Dunlin r u o Roseate Spoonbill r r r  Baird's Sandpiper r r o  Vultures, Hawks and Allies Black Vulture* c c c c c Turkey Vulture* c c c c c Golden Eagle r u u Semipalmated Sandpiper c u c  Sanderling x o x  Dunlin r u o  Least Sandpiper c u c u  Baird's Sandpiper c u c u  Baird's Sandpiper c u c u  C u c u  Pectoral Sandpiper c u c  Semipalmated Sandpiper c u c	Yellow-crowned Night Heron	0	0	O		Red Knot			X		
White-faced Ibis Roseate Spoonbill r r r Baird's Sandpiper r r o  Vultures, Hawks and Allies Black Vulture* c c c c c c d Buff-breasted Sandpiper c u r r d Cosprey* c Golden Eagle r u u  Semipalmated Sandpiper c u c c u c d Semipalmated Sandpiper c u c d c d c d d d d d d d d d d d d d	White Ibis		r	r		Stilt Sandpiper u		r	u		
Roseate Spoonbill r r r Baird's Sandpiper r r o Ultures, Hawks and Allies Black Vulture* c c c c c White-rumped Sandpiper u r r Turkey Vulture* c c c c c Buff-breasted Sandpiper c u c C C C C C C C C C C C C C C C C C	Glossy Ibis	r		r		Sanderling		X	0	X	
Vultures, Hawks and Allies       Least Sandpiper       c       u       c       u       c       u       c       u       c       u       c       u       c       u       c       u       c       u       r       r       u       r       r       u       c       u       c       u       u       c       u       u       c <td>White-faced Ibis</td> <td></td> <td></td> <td>r</td> <td>X</td> <td>Dunlin r</td> <td></td> <td></td> <td>u</td> <td>0</td> <td></td>	White-faced Ibis			r	X	Dunlin r			u	0	
Vultures, Hawks and Allies       Least Sandpiper       c       u       c       u         Black Vulture*       c       c       c       c       white-rumped Sandpiper       u       r       r         Turkey Vulture*       c       c       c       c       Buff-breasted Sandpiper       r       r         Osprey*       c       c       u       Pectoral Sandpiper       c       u       c         Golden Eagle       r       u       u       Semipalmated Sandpiper       c       u       c	Roseate Spoonbill		r	r		Baird's Sandpiper r		r	0		
Black Vulture* c c c c white-rumped Sandpiper u r r Turkey Vulture* c c c c Buff-breasted Sandpiper r Osprey* c c u Pectoral Sandpiper c u c Golden Eagle r u u Semipalmated Sandpiper c u c	Vultures Hawks and Allies					Least Sandpiper c		u	c	u	
Turkey Vulture* c c c c Buff-breasted Sandpiper r Osprey* c c u Pectoral Sandpiper c u c Golden Eagle r u u Semipalmated Sandpiper c u c		c	c	c	c			r	r		
Osprey* c c u Pectoral Sandpiper c u c Golden Eagle r u u u Semipalmated Sandpiper c u c		c							r		
Golden Eagle r u u Semipalmated Sandpiper c u c		c	c					u	c		
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Short-billed Dowitcher	SP u	$\frac{S}{\mathbf{r}}$	F u	W	Nightjars
Long-billed Dowitcher	$\mathbf{r}$	X	0	0	Common Nighthawk*
American Woodcock*	0	r	0	0	Chuck-will's-widow*
Wilson's Snipe	c	X	c	u	Eastern Whip-poor-will*
Wilson's Phalarope	r		r		Swifts
Red-necked Phalarope	X		r		
Spotted Sandpiper	c	0	c		Chimney Swift*
Solitary Sandpiper	c	0	c		Hummingbirds
Greater Yellowlegs	c	u	c	r	Ruby-throated Hummingbird
Willet	r	r	r		Kingfishers
Lesser Yellowlegs	c	u	c	X	Belted Kingfisher*
Is, Terns and Skimmers					Woodpeckers
Bonaparte's Gull	u		c	c	-
Laughing Gull					Red-headed Woodpecker*
Laughing Gull Franklin's Gull	0		0	r	Red-bellied Woodpecker*
Ring-billed Gull	r	0	0	r	Yellow-bellied Sapsucker
Herring Gull	a u	0	a	a c	Downy Woodpecker*
Iceland Gull	и		c	r	Hairy Woodpecker*
Lesser Black-backed Gull			,,		Northern Flicker*
Glaucous Gull			u	u r	Pileated Woodpecker*
Great Black-backed Gull			r	r	Falcons and Caracaras
Least Tern	r	r	r	1	American Kestrel*
Caspian Tern	c	u	c		Merlin
Black Tern	u	r	c		Peregrine Falcon
Common Tern	0	0	0		Tyrant Flycatchers: Pewees, Kingbirds
Forster's Tern	0	r	u	0	Olive-sided Flycatcher
<del></del>	U	1	u	U	Eastern Wood-Pewee*
eons and Doves					Yellow-bellied Flycatcher
Rock Pigeon (Feral Pigeon)*	0	0	0	0	Acadian Flycatcher*
Eurasian Collared Dove	0	0	0	0	Alder Flycatcher
Mourning Dove*	С	c	С	c	Willow Flycatcher*
ckoos					Least Flycatcher
Yellow-billed Cuckoo*	c	c	c		Eastern Phoebe*
Black-billed Cuckoo	$\mathbf{r}$	r	r		Great Crested Flycatcher*
 Is					Eastern Kingbird*
Barn Owl	$\mathbf{r}$	r	r	r	Scissor-tailed Flycatcher
Eastern Screech Owl*	u	u	u	r u	
Great Horned Owl*	u	u	u	u	Shrike
Barred Owl*	c	c	c	c	Loggerhead Shrike
Short-eared Owl	$\mathbf{r}$		r	r	

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	SP	S	F	W		SP	S	F	W	
Vireos					Kinglets					
White-eyed Vireo*	c	С	С		Golden-crowned Kinglet	u		u	u	
Yellow-throated Vireo*	u	u	u		Ruby-crowned Kinglet	u		u	u	
Blue-headed Vireo	u	X	u	X	Thrushes					
Philadelphia Vireo	O		0		Eastern Bluebird*	c	c	c	c	
Warbling Vireo*	c	c	u		Veery	u		u		
Red-eyed Vireo*	c	c	c		Gray-cheeked Thrush	u		u		
Jays, Magpies, Crows and Ravens					Swainson's Thrush	c		c		
Blue Jay*	c	c	c	c	Hermit Thrush	0		u	u	
American Crow*	c	c	a	a	Wood Thrush*	c	c	c		
Fish Crow	0	r	r		American Robin*	c	c	c	c	
Larks					Catbirds, Mockingbirds and Thrushes					
Horned Lark*	u	u	u	u	Gray Catbird*	u	u	u		
Martins and Swallows					Brown Thrasher*	c	c	c	c	
Northern Rough-winged Swallow		0			Northern Mockingbird*	c	c	c	c	
Purple Martin*		c	С							
Tree Swallow*	c	c	u	0	Starlings and Mynas		_	_		
Bank Swallow	c	c	c	0	European Starling*	С	c	С	a	
	0	r	0		Wagtails and Pipits					
Barn Swallow*	c	c	c		American Pipit	u		u	c	
Cliff Swallow*	c	С	С		Waxwings					
Tits, Chickadees and Titmice					Cedar Waxwing*	u	0	u	u	
Carolina Chickadee*	c	c	c	c						
Tufted Titmouse*	c	c	c	c	Longspurs					
Nuthatches					Lapland Longspur			r	r	
Red-breasted Nuthatch	O		0	0	Wood-Warblers					
White-breasted Nuthatch*	c	c	c	c	Ovenbird*	u	u	u		
Tree Creepers					Worm-eating Warbler*	u	u	u		
Brown Creeper	u		u	u	Louisiana Waterthrush*	u	u	u		
<del></del>	и		u	и	Northern Waterthrush	u		u		
Wrens					Golden-winged Warbler	0		0		
House Wren	0	0	0	r	Blue-winged Warbler	u	r	u		
Winter Wren	u		u	u	Black-and-white Warbler*	u	0	u		
Sedge Wren	u	r	u	r	Prothonotary Warbler*	c	c	c		
Marsh Wren	0		u	r	Swainson's Warbler	$\mathbf{r}$	r	$\mathbf{r}$		
Carolina Wren*	c	c	c	c	Tennessee Warbler	c		c		
Gnatcatchers					Orange-crowned Warbler	r		0	r	
Blue-gray Gnatcatcher*	c	c	c		Nashville Warbler	u		u		
					Mourning Warbler	r		$\mathbf{r}$		

	SP	S	F	W
Kentucky Warbler*	u	u	u	
Common Yellowthroat*	c	c	c	X
Hooded Warbler*	u	0	u	
American Redstart*	u	0	u	
Cape May Warbler	0			
Cerulean Warbler	r		r	
Northern Parula*	c	u	u	
Magnolia Warbler	u		c	
Bay-breasted Warbler	u		u	
Blackburnian Warbler	u		u	
Yellow Warbler*	u	0	u	
Chestnut-sided Warbler	u		u	
Blackpoll Warbler	c		r	
Palm Warbler	u		u	0
Yellow-rumped Warbler	c		c	u
Prairie Warbler*	u	u	u	
Black-throated Green Warbler	u		u	
Canada Warbler	0		0	
Wilson's Warbler	0		0	
New World Sparrows				
Grasshopper Sparrow	0	r	0	
Henslow's Sparrow			r	
Le Conte's Sparrow	0		u	u
Nelson's Sparrow	r		r	
American Tree Sparrow			r	r
Chipping Sparrow*	u	u	u	r
Clay-colored Sparrow			r	
Field Sparrow*	c	c	c	c
Lark Sparrow	r	r		
Fox Sparrow	u		u	u
Dark-eyed Junco	c		c	c
White-crowned Sparrow	u		u	u
White-throated Sparrow	c		c	c
Vesper Sparrow	0		0	r
Savannah Sparrow	c		c	c
Song Sparrow	c	r	c	c
Lincoln's Sparrow	u		u	r
Swamp Sparrow	c		c	c
Eastern Towhee*	c	c	c	c

	SP	S	F	W
Yellow-breasted Chat				
Yellow-breasted Chat*	c	c	u	
Cardinals, Grosbeaks and Allies				
Summer Tanager*	c	c	c	
Scarlet Tanager*	c	c	c	
Northern Cardinal*	c	c	c	c
Rose-breasted Grosbeak	u		u	
Blue Grosbeak*	u	u	u	
Indigo Bunting*	c	c	c	
Dickcissel*	u	u	u	
Blackbirds				
Bobolink	c		0	
Eastern Meadowlark*	u	u	u	c
Orchard Oriole*	c	c	u	
Baltimore Oriole*	u	0	0	
Red-winged Blackbird*	c	c	a	a
Brown-headed Cowbird*	c	c	c	c
Rusty Blackbird	u		u	u
Brewer's Blackbird	r		r	r
Common Grackle*	c	c	c	a
Finches, Euphonias and Allies				
House Finch*	u	u	u	u
Purple Finch	0		0	О
Pine Siskin	0		0	О
American Goldfinch*	c	c	c	c
Old World Sparrow				
House Sparrow*	c	c	c	c



## **Accidental Birds:**

These species have been recorded on the refuge only once or twice or the records of occurrence are greater than 10 years old:

Black-bellied Whistling Duck Fulvous Whistling-Duck Brant Barnacle Goose Cinnamon Teal Mottled Duck Barrow's Goldeneve Yellow-billed Loon Brown Booby Brown Pelican Neotropic Cormorant Swallow-tailed Kite Northern Goshawk Swainson's Hawk Purple Gallinule Whooping Crane Hudsonian Godwit Curlew Sandpiper Red Phalarope Pomarine Jaeger Parasitic Jaeger Long-tailed Jaeger Sabine's Gull Little Gull Black-headed Gull California Gull Sooty Tern Common Ground-Dove Long-eared Owl Western Kingbird Bachman's Sparrow Harris's Sparrow Spotted Towhee Yellow-headed Blackbird Bewick's Wren

## **Ethics for Birdwatching:**

Western Meadowlark

At Tennessee NWR, we encourage birders and all visitors to respectfully enjoy wildlife at a safe distance. However, occasionally some visitors go to extra lengths to enhance their experience without regard to the health and safety of wildlife and their habitat. This often results in the disturbance or harassment of wildlife. Disturbance or harassment of wildlife is defined as any activity that alters or changes the natural behavior of wildlife, which can be detrimental to the animal's health, safety, or productivity. We ask all visitors to carefully consider the impacts of

their actions on the wildlife they are attempting to view and enjoy, as well as how their actions are affecting the enjoyment of the refuge by other visitors. Disturbing or attempting to disturb wildlife on a national wildlife refuge is a prohibitive act and the person causing the disturbance is subject to prosecution.

We encourage birding throughout the refuge unless the area is closed to all public access. Several key areas are closed from November 15-March 15 each year to all forms of public entry to protect wintering waterfowl and other birds from disturbance. "Area Closed" signs are present in many locations to identify the closed areas, but we suggest that visitors reference the Tennessee NWR General Brochure map for specific descriptions of the closed areas on the refuge.

Some more specific birding practices that cause excessive disturbance and are not permitted on the refuge are the following: 1) The use of the technique referred to as "jug lining" is prohibited on the refuge. This technique involves the use of plastic jugs or other objects strung on a rope/cable/chain pulled between two or more individuals with the intent to flush up secretive birds. This technique is normally only used by researchers to flush secretive marsh birds for surveys and/or banding and is rarely done in the same area more than once a season. 2) The practice of forming a line of observers that walk through habitat with the intent to flush secretive birds causes a similar level of disturbance as the jug line technique and is prohibited. 3) The use of playback calls for King Rails is prohibited on the refuge during the breeding season (April 1-August 31). Researchers use this technique for surveys on a limited basis. Overuse can cause birds to stop responding to the playbacks, thus interfering with surveys. It also may have the potential to affect the productivity of breeding King Rails.

## **Birds to Look For:**

Birdwatchers visiting the Refuge are asked to look for the following species that might occur in the area but have yet to be documented on the refuge. If positive observations are made, please record your sighting in eBird or notify the Refuge Headquarters.

Trumpeter Swan Whimbrel Northern Saw-wet Owl Connecticut Warbler Black-throated Blue Warbler Evening Grosbeak