Checklist of Birds of the Jug Bay Wetlands Sanctuary

Prepared by Chris Swarth.Based on field work by Sue Ricciardi, Dotty Mumford, Danny Bystrak, Chris Beaton, Greg Kearns, Bob Boxwell, Sam Droege, Fred Fallon, Jane Fallon, Deana Dawson, Bill Howe, Susse Wright, Colin Wood and Chris Swarth. Marshall Iliff, Sue Ricciardi and Jim Stasz offered many helpful suggestions. Updated in fall 2009 CBNERR's, Bird Checklist of the Patuxent River (Jug Bay Area) was a source of recent sightings of rare and transient species

Nomenclature based on AOU Checklist of Birds of North America, 7th edition and supplements.

Abundance Categories

	A few individuals encountered on:	OR	Many individuals encountered on:
C = Common or Abundant:	> 90% of days		> 50% of days
F = Fairly Common:	50-90% of days		10-50% of days
U = Uncommon:	10-50% of days		< 10% of days
R = Rare:	< 10% of days		
X = Extremely Rare:	5 or fewer sighting	s at t	hat season

N = confirmed or probable nesting in or nearby the sanctuary

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Spring: March 1 - May 31 Summer: June 1 - July 31 Fall: August 1 - November 30

Winter: December 1 - February 29

Habitat Codes

A = Aerial

B = Bottomland forest, floodplain or swamp

C = Cropland or fields

E = Edge habitat (forest margins, hedgerows, scrub)

F = Upland deciduous forest

M = Freshwater tidal marshes and channels

O = Open (deep) water T = Tidal mud flats

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		Spring	Summ	Fall	Winter	Habita
Red-throated Loon		X		X	R	0
Common Loon		R		R	Х	A,O
Pied-billed Grebe		U		U	R	M,O
Horned Grebe		X		X	Х	0
Red-necked Grebe		X			Х	0
American White Pelican		X	Х		Х	0
Brown Pelican				Χ		0
Double-crested Cormorant		U	Х	U	Х	A,O
Great Cormorant				X		A,O
American Bittern		R		R		M
Least Bittern	N	F	F	F		М
Great Blue Heron	N	С	С	С	U	M,T
Great Egret		R	R	R		M,T
Snowy Egret		R	R	R		M,T
Little Blue Heron		R	R	R		M,T
Tricolored Heron		X	Х	X		M,T
Cattle Egret		X	Х	X	Х	C,M
Green Heron	N	F	F	F		M
Black-crowned Night Heron		U		U		M,T
Yellow-crowned Night-Heron		X		Χ		M,T
White Ibis		X	Х			M,T
Glossy Ibis		R	Х	R		M,T
Wood Stork			Х			M,T
Black-bellied Whistling Duck	· · · · · · · · · · · · · · · · · · ·		Х			M,O
Fulvous Whistling-Duck				X		M,O
Greater White-fronted Goose		X				M,O,T
Snow Goose		X		X	Х	M,O,T
Canada Goose	N	С	U	С	С	M,O,T

Mute Swan		X	Х	X	Х	0
Tundra Swan		U		F	R	0
Wood Duck	N	С	С	С	R	B,M
Gadwall		R		R	R	M,O,T
Eurasian Wigeon		X		Χ		M,O,T
American Wigeon		R		R	R	M,O,T
American Black Duck		С	Х	С	С	M,O,T
Mallard	N	С	С	С	С	M,O,T
Blue-winged Teal		U	Х	R	Х	M,O,T
Northern Shoveler		U		R	R	M,O,T
Northern Pintail		R		U	R	M,O,T
Green-winged Teal		С		С	U	M,O,T
Canvasback		R		R	R	0
Redhead		X		X	Х	0
Ring-necked Duck		R		R	R	0
Greater Scaup		X		X	Х	0
Lesser Scaup		R		R	R	0
Surf Scoter				X	Х	0
White-winged Scoter		X		X		0
Black Scoter					Х	0
Oldsquaw		X		X	Χ	0
Bufflehead		R		R	R	0
Common Goldeneye		R		R	R	0
Hooded Merganser		U		R	R	M,O
Common Merganser		С		U	U	0
Red-breasted Merganser		U		R	R	0
Ruddy Duck		R		U	R	M,O
Black Vulture	N	F	F	F	F	Α
Turkey Vulture	N	С	С	С	С	Α
Osprey	N	С	С	С		A,M,O,T
Mississippi Kite			Х			Α
Bald Eagle	N	U	X R	U	U	A,M,T
Bald Eagle Northern Harrier	N	F		F	F	A,M,T M,T
Bald Eagle Northern Harrier Sharp-shinned Hawk		F F	R	F F	F U	A,M,T M,T A,F,M
Bald Eagle Northern Harrier Sharp-shinned Hawk Cooper's Hawk	N N	F F U		F	F U U	A,M,T M,T A,F,M A,F,M
Bald Eagle Northern Harrier Sharp-shinned Hawk Cooper's Hawk Northern Goshawk	N	F F U X	R U	F F	F U U X	A,M,T M,T A,F,M A,F,M A,F,M
Bald Eagle Northern Harrier Sharp-shinned Hawk Cooper's Hawk Northern Goshawk Red-shouldered Hawk		F F U X U	R U U	F F U	F U U	A,M,T M,T A,F,M A,F,M A,F,M E,F
Bald Eagle Northern Harrier Sharp-shinned Hawk Cooper's Hawk Northern Goshawk Red-shouldered Hawk Broad-winged Hawk	N N	F U X U F	R U U X	F F U F	F U U X U	A,M,T M,T A,F,M A,F,M A,F,M E,F
Bald Eagle Northern Harrier Sharp-shinned Hawk Cooper's Hawk Northern Goshawk Red-shouldered Hawk Broad-winged Hawk Red-tailed Hawk	N	F F U X U	R U U	F F U	F U X U	A,M,T M,T A,F,M A,F,M A,F,M E,F A
Bald Eagle Northern Harrier Sharp-shinned Hawk Cooper's Hawk Northern Goshawk Red-shouldered Hawk Broad-winged Hawk Red-tailed Hawk Rough-legged Hawk	N N	F U X U F	R U U X	F F U F	F U X U C X	A,M,T M,T A,F,M A,F,M A,F,M E,F A A,C,M
Bald Eagle Northern Harrier Sharp-shinned Hawk Cooper's Hawk Northern Goshawk Red-shouldered Hawk Broad-winged Hawk Red-tailed Hawk Rough-legged Hawk Golden Eagle	N N	F F U X U F C	R U U X C	F F U F C	F U X U C X	A,M,T M,T A,F,M A,F,M A,F,M E,F A A,C,M A
Bald Eagle Northern Harrier Sharp-shinned Hawk Cooper's Hawk Northern Goshawk Red-shouldered Hawk Broad-winged Hawk Red-tailed Hawk Rough-legged Hawk Golden Eagle American Kestrel	N N	F F U X U F C	R U U X	F F U F C	F U X U C X X U	A,M,T M,T A,F,M A,F,M E,F A A,C,M A
Bald Eagle Northern Harrier Sharp-shinned Hawk Cooper's Hawk Northern Goshawk Red-shouldered Hawk Broad-winged Hawk Red-tailed Hawk Rough-legged Hawk Golden Eagle American Kestrel Merlin	N N	F F U X U F C	R U U X C	F F U F C	F U X U C X X U	A,M,T M,T A,F,M A,F,M A,F,M E,F A A,C,M A A,C,M A
Bald Eagle Northern Harrier Sharp-shinned Hawk Cooper's Hawk Northern Goshawk Red-shouldered Hawk Broad-winged Hawk Red-tailed Hawk Rough-legged Hawk Golden Eagle American Kestrel	N N	F F U X U F C	R U U X C	F F U F C	F U X U C X X U	A,M,T M,T A,F,M A,F,M E,F A A,C,M A
Bald Eagle Northern Harrier Sharp-shinned Hawk Cooper's Hawk Northern Goshawk Red-shouldered Hawk Broad-winged Hawk Red-tailed Hawk Rough-legged Hawk Golden Eagle American Kestrel Merlin	N N	F F U X U F C	R U U X C	F F U F C	F U X U C X X U	A,M,T M,T A,F,M A,F,M A,F,M E,F A A,C,M A A,C,M A
Bald Eagle Northern Harrier Sharp-shinned Hawk Cooper's Hawk Northern Goshawk Red-shouldered Hawk Broad-winged Hawk Red-tailed Hawk Rough-legged Hawk Golden Eagle American Kestrel Merlin Peregrine Falcon	N N	F F U X U F C	R U X C	F F U F C F R R	F U X U C X X U X	A,M,T M,T A,F,M A,F,M A,F,M E,F A A,C,M A A,C
Bald Eagle Northern Harrier Sharp-shinned Hawk Cooper's Hawk Northern Goshawk Red-shouldered Hawk Broad-winged Hawk Red-tailed Hawk Rough-legged Hawk Golden Eagle American Kestrel Merlin Peregrine Falcon Wild Turkey	N N	F F U X U F C F X X	R U X C	F F U F C F R R	F U X U C X X U X X	A,M,T M,T A,F,M A,F,M E,F A A,C,M A A,C
Bald Eagle Northern Harrier Sharp-shinned Hawk Cooper's Hawk Northern Goshawk Red-shouldered Hawk Broad-winged Hawk Red-tailed Hawk Rough-legged Hawk Golden Eagle American Kestrel Merlin Peregrine Falcon Wild Turkey Northern Bobwhite	N N	F F U X U F C F X X	R U X C	F F C F R R X X	F U X U C X X U X X	A,M,T M,T A,F,M A,F,M E,F A A,C,M A A,C A A
Bald Eagle Northern Harrier Sharp-shinned Hawk Cooper's Hawk Northern Goshawk Red-shouldered Hawk Broad-winged Hawk Red-tailed Hawk Rough-legged Hawk Golden Eagle American Kestrel Merlin Peregrine Falcon Wild Turkey Northern Bobwhite Yellow Rail	N N	F F U X U F C F X X R R	R U X C	F F U F C F R R X X X	F U X U C X X U X X	A,M,T M,T A,F,M A,F,M E,F A A,C,M A A,C A A C,E M
Bald Eagle Northern Harrier Sharp-shinned Hawk Cooper's Hawk Northern Goshawk Red-shouldered Hawk Broad-winged Hawk Red-tailed Hawk Rough-legged Hawk Golden Eagle American Kestrel Merlin Peregrine Falcon Wild Turkey Northern Bobwhite Yellow Rail Black Rail	N N	F F U X U F C F X X R R	R U X C	F F C F R R X X	F U X U C X X U X X R R	A,M,T M,T A,F,M A,F,M A,F,M E,F A A,C,M A A,C A A,C M M
Bald Eagle Northern Harrier Sharp-shinned Hawk Cooper's Hawk Northern Goshawk Red-shouldered Hawk Broad-winged Hawk Red-tailed Hawk Rough-legged Hawk Golden Eagle American Kestrel Merlin Peregrine Falcon Wild Turkey Northern Bobwhite Yellow Rail Black Rail King Rail Virginia Rail Sora	N N N	F F U X U F C F X X R R X	R U X C R	F F U F C F R R X X X	F U U X U C X X U X X R R	A,M,T M,T A,F,M A,F,M E,F A A,C,M A A,C A A C,E M M M M
Bald Eagle Northern Harrier Sharp-shinned Hawk Cooper's Hawk Northern Goshawk Red-shouldered Hawk Broad-winged Hawk Red-tailed Hawk Rough-legged Hawk Golden Eagle American Kestrel Merlin Peregrine Falcon Wild Turkey Northern Bobwhite Yellow Rail Black Rail King Rail Virginia Rail	N N N	F F U X U F C F X X R R X R	R U U X C R R R	F F U F C F R R R X X X F	F U U X U X X U X X R R	A,M,T M,T A,F,M A,F,M A,F,M E,F A A,C,M A A,C A A C,E M M M
Bald Eagle Northern Harrier Sharp-shinned Hawk Cooper's Hawk Northern Goshawk Red-shouldered Hawk Broad-winged Hawk Red-tailed Hawk Rough-legged Hawk Golden Eagle American Kestrel Merlin Peregrine Falcon Wild Turkey Northern Bobwhite Yellow Rail Black Rail King Rail Virginia Rail Sora Purple Gallinule Common Moorhen	N N N	F F U X U F C F X X R R X R U R	R U U X C R R R	F F F U F C F R R R X X X F C R	F U U X U C X X U X X R R X R X	A,M,T M,T A,F,M A,F,M A,F,M E,F A A,C,M A A C A M M M M M M M
Bald Eagle Northern Harrier Sharp-shinned Hawk Cooper's Hawk Northern Goshawk Red-shouldered Hawk Broad-winged Hawk Red-tailed Hawk Rough-legged Hawk Golden Eagle American Kestrel Merlin Peregrine Falcon Wild Turkey Northern Bobwhite Yellow Rail Black Rail King Rail Virginia Rail Sora Purple Gallinule Common Moorhen American Coot	N N N	F F U X U F C F X X R R X R U R U	R U U X C R R R	F F F U F C F R R R X X X F C	F U U X U X X U X X R R	A,M,T M,T A,F,M A,F,M E,F A A,C,M A A,C A A C,E M M M M M M,O
Bald Eagle Northern Harrier Sharp-shinned Hawk Cooper's Hawk Northern Goshawk Red-shouldered Hawk Broad-winged Hawk Red-tailed Hawk Rough-legged Hawk Golden Eagle American Kestrel Merlin Peregrine Falcon Wild Turkey Northern Bobwhite Yellow Rail Black Rail King Rail Virginia Rail Sora Purple Gallinule Common Moorhen American Coot Limpkin	N N N	F F U X U F C F X X R R X R U R	R U U X C R R R	F F F U F C F R R R X X X F C R	F U U X U C X X U X X R R X R X	A,M,T M,T A,F,M A,F,M A,F,M E,F A A,C,M A A,C A A C,E M M M M M M M,O M
Bald Eagle Northern Harrier Sharp-shinned Hawk Cooper's Hawk Northern Goshawk Red-shouldered Hawk Broad-winged Hawk Red-tailed Hawk Rough-legged Hawk Golden Eagle American Kestrel Merlin Peregrine Falcon Wild Turkey Northern Bobwhite Yellow Rail Black Rail King Rail Virginia Rail Sora Purple Gallinule Common Moorhen American Coot	N N N	F F U X U F C F X X R R X R U R U	R U U X C R R R	F F F U F C F R R R X X X F C R	F U U X U C X X U X X R R X R X	A,M,T M,T A,F,M A,F,M E,F A A,C,M A A,C A A C,E M M M M M M,O
Bald Eagle Northern Harrier Sharp-shinned Hawk Cooper's Hawk Northern Goshawk Red-shouldered Hawk Broad-winged Hawk Red-tailed Hawk Rough-legged Hawk Golden Eagle American Kestrel Merlin Peregrine Falcon Wild Turkey Northern Bobwhite Yellow Rail Black Rail King Rail Virginia Rail Sora Purple Gallinule Common Moorhen American Coot Limpkin	N N N	F F U X U F C F X X R R X R U R U	R U U X C R R R	F F F U F C F R R R X X X F C R	F U U X U C X X U X X R R X R X	A,M,T M,T A,F,M A,F,M A,F,M E,F A A,C,M A A,C A A C,E M M M M M M M,O M
Bald Eagle Northern Harrier Sharp-shinned Hawk Cooper's Hawk Northern Goshawk Red-shouldered Hawk Broad-winged Hawk Red-tailed Hawk Rough-legged Hawk Golden Eagle American Kestrel Merlin Peregrine Falcon Wild Turkey Northern Bobwhite Yellow Rail Black Rail King Rail Virginia Rail Sora Purple Gallinule Common Moorhen American Coot Limpkin Sandhill Crane	N N N	F F U X U F C F X X R R X R U R U X	R U U X C R R R	F F F U F C F R R R R X X X F C R U	F U U X U C X X U X X R R X R X	A,M,T M,T A,F,M A,F,M A,F,M E,F A A,C,M A A C,A A F C,E M M M M M M M M M T T
Bald Eagle Northern Harrier Sharp-shinned Hawk Cooper's Hawk Northern Goshawk Red-shouldered Hawk Broad-winged Hawk Red-tailed Hawk Rough-legged Hawk Golden Eagle American Kestrel Merlin Peregrine Falcon Wild Turkey Northern Bobwhite Yellow Rail Black Rail King Rail Virginia Rail Sora Purple Gallinule Common Moorhen American Coot Limpkin Sandhill Crane Black-bellied Plover	N N N	F F U X U F C F X X R R X R U R U X	R U U X C R R R	F F U F C F R R R X X X F C R U	F U U X U C X X U X X R R X R X	A,M,T M,T A,F,M A,F,M A,F,M E,F A A,C,M A A C,E M M M M M M M M M M M M M M M M M M M
Bald Eagle Northern Harrier Sharp-shinned Hawk Cooper's Hawk Northern Goshawk Red-shouldered Hawk Broad-winged Hawk Red-tailed Hawk Rough-legged Hawk Golden Eagle American Kestrel Merlin Peregrine Falcon Wild Turkey Northern Bobwhite Yellow Rail Black Rail King Rail Virginia Rail Sora Purple Gallinule Common Moorhen American Coot Limpkin Sandhill Crane Black-bellied Plover American Golden Plover	N N N	F F U X U F C F X X R U R U X R X	R U X C R R R X X	F F U F C F R R R X X X F C R U	F U U X U C X X U X X R R X R X	A,M,T M,T A,F,M A,F,M A,F,M E,F A A,C,M A A C A M M M M M M M M M C,M T C,T
Bald Eagle Northern Harrier Sharp-shinned Hawk Cooper's Hawk Northern Goshawk Red-shouldered Hawk Broad-winged Hawk Red-tailed Hawk Rough-legged Hawk Golden Eagle American Kestrel Merlin Peregrine Falcon Wild Turkey Northern Bobwhite Yellow Rail Black Rail King Rail Virginia Rail Sora Purple Gallinule Common Moorhen American Coot Limpkin Sandhill Crane Black-bellied Plover American Golden Plover Semipalmated Plover	N N N	F F U X U F C F X X R R X R U R U X R X R	R U X C R R R X X	F F F U F C F R R R X X X F C R U R X R	F U U X U C X X U X X R R X X X X	A,M,T M,T A,F,M A,F,M A,F,M A,F,M A,C,M A A,C A A A C,E M M M M M M M M C,M T C,T T
Bald Eagle Northern Harrier Sharp-shinned Hawk Cooper's Hawk Northern Goshawk Red-shouldered Hawk Broad-winged Hawk Red-tailed Hawk Rough-legged Hawk Golden Eagle American Kestrel Merlin Peregrine Falcon Wild Turkey Northern Bobwhite Yellow Rail Black Rail King Rail Virginia Rail Sora Purple Gallinule Common Moorhen American Coot Limpkin Sandhill Crane Black-bellied Plover American Golden Plover Semipalmated Plover Killdeer	N N N	F F U X U F C F X X R R X R U R U X R X R	R U X C R R R X X	F F F U F C F R R R X X X F C R U R X R F	F U U X U C X X U X X R R X X X X	A,M,T M,T A,F,M A,F,M A,F,M E,F A A,C,M A A A C A M M M M M M M M C,M T C,T T C,T

Greater Yellowlegs Lesser Yellowlegs Solitary Sandpiper Willet Spotted Sandpiper Ruddy Turnstone Red Knot Sanderling Semipalmated Sandpiper Western Sandpiper Least Sandpiper Unite-rumped Sandpiper Pectoral Sandpiper Dunlin Ruff Short-billed Dowitcher Common Snipe American Woodcock Wilson's Phalarope	N	C F U F X X X U U X X F X U C F	R R R R R R	C F U X F X U X U U U X U C U X	X X C R	M,T M,T M,T T T T T T T T T T T T T T T	!
Red-necked Phalarope				X		O,T	
Laughing Gull Common Black-headed Gull Bonaparte's Gull Ring-billed Gull Herring Gull Thayer's Gull Iceland Gull Lesser Black-backed Gull Glaucous Gull Great Black-backed Gull Caspian Tern Royal Tern Common Tern Forster's Tern Least Tern Bridled Tern Black Tern		C X U C C X U F X R C X X	U U U R C X	C R C C X U C X R C X X	R X C X X X X X	O,T O,T O,T C,O,T O,T O,T O,T O,T O,T O O O O	
Black Skimmer		X		X		0	
Rock Dove Mourning Dove Black-billed Cuckoo Yellow-billed Cuckoo	N N	R C R F	R C X F	R C R F	R C	A C,E F B,F	
Barn Owl Eastern Screech-Owl Great Horned Owl Barred Owl Long-eared Owl Short-eared Owl Northern Saw-whet Owl	N N N	U R F F	U R F F	U R F F	U R F X X U	C,M F B,F F C,M F,E	
Common Nighthawk Chuck-will's-widow Whip-poor-will	N	F X U	X X U	F X U		A F C,F	
Chimney Swift Ruby-throated Hummingbird Belted Kingfisher	N N N	C U F	C U U	C U F	U	A E M,O	
Red-headed Woodpecker Red-bellied Woodpecker Yellow-bellied Sapsucker Downy Woodpecker Hairy Woodpecker	N N N	X C U C F	C C F	R C F C F	X C U C F	F F B,F F	

Nest w/ 4 eggs found March 20, 1997 by D. Bystrak at River Farm

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Northern Flicker	N	С	U	С	F	C,F
Pileated Woodpecker	N	U	U	U	U	B,F
Olive-sided Flycatcher		X				E,F
Eastern Wood Pewee	N	С	С	С		E,F
Yellow-bellied Flycatcher				X		E,F
Acadian Flycatcher	N	С	С	С		B,F
Least Flycatcher		R	F	R		B,F
Alder Flycatcher		F		F		B,F
Willow Flycatcher		F		F		B,F
Eastern Phoebe	N	С	С	С	R	C,E
Great-crested Flycatcher	N	U	U	U		E
Eastern Kingbird	N	F	F	F		C,E
Gray Kingbird			Х	Х		C,E C
Scissor-tailed Flycatcher			^			
Loggerhead Shrike			Χ	X		С
White-eyed Vireo	N	С	С	С		B,F
Blue-headed Vireo		R		R		B,F
Yellow-throated Vireo	N	F	F	F		B,F
Warbling Vireo		X		Χ		B,F
Philadelphia Vireo				Χ		B,F
Red-eyed Vireo	N	С	С	С		B,F
Plus lev	NI	0				D F F
Blue Jay	N	C	U C	C C	F	B,E,F
American Crow	N	C	C	C	С	C,M,T
Fish Crow		F	U	С	С	M,T
Horned Lark		R		R	R	С
Purple Martin	N	F	F	F		А
Tree Swallow	N	С	С	С		Α
N. Rough-winged Swallow	N	U	U	U		Α
Bank Swallow	N	С	С	С		Α
Cliff Swallow		R		R		Α
Barn Swallow	N	С	С	С		Α
Carolina Chickadee	N	С	С	С	С	B,F
Black-capped Chickadee					Х	B,F
Tufted Titmouse	N	С	С	С	С	B,F
Red-breasted Nuthatch		U		U	R	B,F
White-breasted Nuthatch	N	R	R	R	R	B,F
Brown Creeper		U		F	U	B,F
Carolina Wren	N	С	С	С	С	E,F
House Wren		U	Х	U	Х	Е
Winter Wren		U		F	U	B,F
Sedge Wren				X		M
Marsh Wren	N	U	U	U	R	М
Golden-crowned Kinglet		F		С	F	B,F
Ruby-crowned Kinglet		F		С	U	B,E,F
Blue-gray Gnatcatcher	N	С	С	U	Х	E
Eastern Bluebird	N	F	F	F	F	C,E,M
Veery		U	Х	U		B,F
Gray-cheeked Thrush		U		U		B,F
Bicknell's Thrush		X		X		B,F
Swainson's Thrush		U		F		B,F
Hermit Thrush		U	_	С	F	B,F
Wood Thrush	N	С	C	С	_	B,F
American Robin	N	С	R	С	U	C,F
Gray Catbird	N	С	R	С	R	E,F
Northern Mockingbird	N	F	F	F	F	E
Brown Thrasher	N	U	U	F	U	E,F
European Starling	N	F	U	F	F	С
American Pipit	N	R C	U	U	X F	C,T
Cedar Waxwing	IN	U	U	C	Г	B,F

Blue-winged Warbler		U		R		B,E,F
Golden-winged Warbler		X		Χ		B,E,F
Tennessee Warbler		R		F		B,E,F
Orange-crowned Warbler		X		X		B,E,F
Nashville Warbler		R	_	R		B,E,F
Northern Parula	N	С	С	С		В
Yellow Warbler	N	F	F	U		B,F
Chestnut-sided Warbler		U		F		B,E,F
Magnolia Warbler		U		F U		B,E,F
Cape May Warbler Black-throated Blue Warbler		U		F		B,E,F B,E,F
Yellow-rumped Warbler		C		С	U	B,C,E,F
Black-throated Green Warbler		U		U	U	B,E,F
Blackburnian Warbler		R		R		B,E,F
Yellow-throated Warbler	N	U	U	U		B,E,F
Pine Warbler	N	F	F	F	Х	F.
Prairie Warbler	N	F	Х	F		B,E,F
Palm Warbler		F		F	Х	B,E,F
Bay-breasted Warbler		R		U		B,E,F
Blackpoll Warbler		С		F		B,E,F
Cerulean Warbler		X				B,E,F
Black-and-white Warbler	N	С	F	С		В
American Redstart	N	С	Х	С		B,E,F
Prothonotary Warbler	N	U	U	U		В
Worm-eating Warbler	N	U	U	U		B,F
Ovenbird	N	С	С	С		B,F
Northern Waterthrush		F		F		В
Louisiana Waterthrush	N	U	U	U		В
Kentucky Warbler	N	R	Х	R		B,E,F
Connecticut Warbler				X		B,E,F
Mourning Warbler		R		R		B,E,F
		_		_		
Common Yellowthroat	N	С	С	С	R	B,C,M
Hooded Warbler	N N	F	C F	F	R	B,F
Hooded Warbler Wilson's Warbler		F R		F R	R	B,F B,E,F
Hooded Warbler Wilson's Warbler Canada Warbler	N	F R F	F	F R F	R	B,F B,E,F B,E,F
Hooded Warbler Wilson's Warbler Canada Warbler Yellow-breasted Chat	N N	F R F U	F R	F R F U	R	B,F B,E,F B,E,F B,E
Hooded Warbler Wilson's Warbler Canada Warbler Yellow-breasted Chat Summer Tanager	N N	F R F U	F R U	F R F U	R	B,F B,E,F B,E,F B,E
Hooded Warbler Wilson's Warbler Canada Warbler Yellow-breasted Chat Summer Tanager Scarlet Tanager	N N N	F R F U	F R U C	F R F U C		B,F B,E,F B,E,F B,E
Hooded Warbler Wilson's Warbler Canada Warbler Yellow-breasted Chat Summer Tanager Scarlet Tanager Eastern Towhee	N N	F R F U C	F R U	F R F U C	U	B,F B,E,F B,E,F B,E E B,F
Hooded Warbler Wilson's Warbler Canada Warbler Yellow-breasted Chat Summer Tanager Scarlet Tanager Eastern Towhee American Tree Sparrow	N N N N	F R F U C C	F R U C	F R F U C C	U R	B,F B,E,F B,E,F B,E E B,F E C,E,M
Hooded Warbler Wilson's Warbler Canada Warbler Yellow-breasted Chat Summer Tanager Scarlet Tanager Eastern Towhee American Tree Sparrow Chipping Sparrow	N N N N	F R F U C	F R U C	F R F U C C X U	U R X	B,F B,E,F B,E,F B,E E B,F E C,E,M C,E
Hooded Warbler Wilson's Warbler Canada Warbler Yellow-breasted Chat Summer Tanager Scarlet Tanager Eastern Towhee American Tree Sparrow	N N N N	F R F U C C X U	F R U C	F R F U C C	U R	B,F B,E,F B,E,F B,E E B,F E C,E,M
Hooded Warbler Wilson's Warbler Canada Warbler Yellow-breasted Chat Summer Tanager Scarlet Tanager Eastern Towhee American Tree Sparrow Chipping Sparrow Field Sparrow	N N N N	F R F U C C X U F	F R U C	F R F U C C X U F	U R X	B,F B,E,F B,E,F B,F E C,E,M C,E C,E
Hooded Warbler Wilson's Warbler Canada Warbler Yellow-breasted Chat Summer Tanager Scarlet Tanager Eastern Towhee American Tree Sparrow Chipping Sparrow Field Sparrow Vesper Sparrow	N N N N	F R F U C C X U F R	F R U C	F R F U C C X U F R	U R X U	B,F B,E,F B,E,F B,F E C,E,M C,E C,E
Hooded Warbler Wilson's Warbler Canada Warbler Yellow-breasted Chat Summer Tanager Scarlet Tanager Eastern Towhee American Tree Sparrow Chipping Sparrow Field Sparrow Vesper Sparrow Savannah Sparrow	N N N N	F R F U U C C X U F R R	F R U C	F R F U C C X U F R	U R X U	B,F B,E,F B,E,F B,F E C,E,M C,E C,E C
Hooded Warbler Wilson's Warbler Canada Warbler Yellow-breasted Chat Summer Tanager Scarlet Tanager Eastern Towhee American Tree Sparrow Chipping Sparrow Field Sparrow Vesper Sparrow Savannah Sparrow Grasshopper Sparrow	N N N N	F R F U U C C X U F R R R	F R U C	F R F U C C X U F R R R	U R X U	B,F B,E,F B,E,F B,F E C,E,M C,E C,E C
Hooded Warbler Wilson's Warbler Canada Warbler Yellow-breasted Chat Summer Tanager Scarlet Tanager Eastern Towhee American Tree Sparrow Chipping Sparrow Field Sparrow Vesper Sparrow Savannah Sparrow Grasshopper Sparrow Saltmarsh Sharp-tailed Sparrow	N N N N	F R F U U C C X U F R R R X	F R U C	F R F U C C X U F R R R X	U R X U R X	B,F B,E,F B,E,F B,F E C,E,M C,E C,C C
Hooded Warbler Wilson's Warbler Canada Warbler Yellow-breasted Chat Summer Tanager Scarlet Tanager Eastern Towhee American Tree Sparrow Chipping Sparrow Field Sparrow Vesper Sparrow Savannah Sparrow Grasshopper Sparrow Saltmarsh Sharp-tailed Sparrow Fox Sparrow	N N N N N	F R F U U C C X U F R R R X R C	R U C C U F	F R F U C C X U F R R X U C X	U R X U R X	B,F B,E,F B,E,F B,E E B,F E C,E,M C,E C C C C M E C,E,M
Hooded Warbler Wilson's Warbler Canada Warbler Yellow-breasted Chat Summer Tanager Scarlet Tanager Eastern Towhee American Tree Sparrow Chipping Sparrow Field Sparrow Vesper Sparrow Savannah Sparrow Grasshopper Sparrow Saltmarsh Sharp-tailed Sparrow Fox Sparrow Song Sparrow Lincoln's Sparrow Swamp Sparrow	N N N N N	F R F U U C C X U F R R R X R C C	R U C C U F	F R F U C X U F R R X U C X C	U R X U R X C	B,F B,E,F B,E,F B,E E B,F E C,E,M C,E C C C C C M E C,E,M
Hooded Warbler Wilson's Warbler Canada Warbler Yellow-breasted Chat Summer Tanager Scarlet Tanager Eastern Towhee American Tree Sparrow Chipping Sparrow Field Sparrow Vesper Sparrow Savannah Sparrow Grasshopper Sparrow Saltmarsh Sharp-tailed Sparrow Fox Sparrow Song Sparrow Lincoln's Sparrow Swamp Sparrow White-throated Sparrow	N N N N N	F R F U U C C X U F R R R X R C C C C	R U C C U F	F R F U U C X U F R R R X U C X C C	U R X U R X C C C	B,F B,E,F B,E,F B,E E B,F E C,E,M C,E C C C C C M E C,E,M C,E
Hooded Warbler Wilson's Warbler Canada Warbler Yellow-breasted Chat Summer Tanager Scarlet Tanager Eastern Towhee American Tree Sparrow Chipping Sparrow Field Sparrow Vesper Sparrow Savannah Sparrow Grasshopper Sparrow Saltmarsh Sharp-tailed Sparrow Fox Sparrow Song Sparrow Lincoln's Sparrow Swamp Sparrow White-throated Sparrow White-crowned Sparrow	N N N N N	F R F U U C C X U F R R R X R C C C R	R U C C U F	F R F U U C C X U F R R R X U C X C C R	U R X U R X C C C X	B,F B,E,F B,E,F B,E E B,F E C,E,M C,E C C C C C M E C,E,M C,E C,E,M C,E,C C
Hooded Warbler Wilson's Warbler Canada Warbler Yellow-breasted Chat Summer Tanager Scarlet Tanager Eastern Towhee American Tree Sparrow Chipping Sparrow Field Sparrow Vesper Sparrow Savannah Sparrow Grasshopper Sparrow Saltmarsh Sharp-tailed Sparrow Fox Sparrow Song Sparrow Lincoln's Sparrow Swamp Sparrow White-throated Sparrow White-crowned Sparrow Dark-eyed Junco	N N N N N	F R F U U C C X U F R R R X R C C C C	R U C C U F	F R F U U C X U F R R R X U C X C C	U R X U R X C C C X C	B,F B,E,F B,E,F B,E E B,F E C,E,M C,E C C C C C M E C,E,M C,E C,E,M C,E C,E,C C C C C C C C C C,E,M C,E C,E,M C,E C,E,M C,E C,E,E C,E C,E C,E C,E C,E C,E C,E C
Hooded Warbler Wilson's Warbler Canada Warbler Yellow-breasted Chat Summer Tanager Scarlet Tanager Eastern Towhee American Tree Sparrow Chipping Sparrow Field Sparrow Vesper Sparrow Savannah Sparrow Grasshopper Sparrow Saltmarsh Sharp-tailed Sparrow Fox Sparrow Song Sparrow Lincoln's Sparrow Swamp Sparrow White-throated Sparrow White-crowned Sparrow Dark-eyed Junco Lapland Longspur	N N N N N	F R F U U C C X U F R R R X R C C C R C	R U C C U F	F R F U U C C X U F R R R X U C X C C R C	U R X U R X C C C X C X	B,F B,E,F B,E,F B,E E B,F E C,E,M C,E C C C C M E C,E,M C,E,E C C C C C C C C C C C C C C C C C
Hooded Warbler Wilson's Warbler Canada Warbler Yellow-breasted Chat Summer Tanager Scarlet Tanager Eastern Towhee American Tree Sparrow Chipping Sparrow Field Sparrow Vesper Sparrow Savannah Sparrow Grasshopper Sparrow Saltmarsh Sharp-tailed Sparrow Fox Sparrow Song Sparrow Lincoln's Sparrow Swamp Sparrow White-throated Sparrow White-crowned Sparrow Dark-eyed Junco Lapland Longspur Northern Cardinal	N N N N N	F R F U U C C X U F R R R X R C C C C C	R U C C U F	F R F U U C C X U F R R R X U C X C C R C C	U R X U R X C C C X C	B,F B,E,F B,E,F B,E E B,F C,E,M C,E C,C C M E C,E,M C,E C C B,E,F
Hooded Warbler Wilson's Warbler Canada Warbler Yellow-breasted Chat Summer Tanager Scarlet Tanager Eastern Towhee American Tree Sparrow Chipping Sparrow Field Sparrow Vesper Sparrow Savannah Sparrow Grasshopper Sparrow Saltmarsh Sharp-tailed Sparrow Fox Sparrow Song Sparrow Lincoln's Sparrow Swamp Sparrow White-throated Sparrow White-throated Sparrow Uncoln's Sparrow White-throated Sparrow White-crowned Sparrow Capland Longspur Northern Cardinal Rose-breasted Grosbeak	N N N N N	FRFU UC CXUFRRRXRC CCRC CU	R U C C U F R	F R F U U C C X U F R R R X U C X C C R C C U	U R X U R X C C C X C X	B,F B,E,F B,E,F B,E E B,F C,E,M C,E C C C M E C,E,M C,E C C B,E,F E
Hooded Warbler Wilson's Warbler Canada Warbler Yellow-breasted Chat Summer Tanager Scarlet Tanager Eastern Towhee American Tree Sparrow Chipping Sparrow Field Sparrow Vesper Sparrow Savannah Sparrow Grasshopper Sparrow Saltmarsh Sharp-tailed Sparrow Fox Sparrow Song Sparrow Lincoln's Sparrow Swamp Sparrow White-throated Sparrow White-trowned Sparrow Uark-eyed Junco Lapland Longspur Northern Cardinal Rose-breasted Grosbeak Blue Grosbeak	N N N N N N N N N N N N N N N N N N N	FRFU UC CXUFRRRXRC CCRC CUU	R U C C U F R U C U	F R F U U C C X U F R R R X U C X C C R C C U U	U R X U R X C C C X C X	B,F B,E,F B,E,F B,E E C,E,M C,E C C C M E C,E,M C,E C C B,E,F E E
Hooded Warbler Wilson's Warbler Canada Warbler Yellow-breasted Chat Summer Tanager Scarlet Tanager Eastern Towhee American Tree Sparrow Chipping Sparrow Field Sparrow Vesper Sparrow Savannah Sparrow Grasshopper Sparrow Saltmarsh Sharp-tailed Sparrow Fox Sparrow Song Sparrow Lincoln's Sparrow White-throated Sparrow White-throated Sparrow Dark-eyed Junco Lapland Longspur Northern Cardinal Rose-breasted Grosbeak Blue Grosbeak Indigo Bunting	N N N N N	FREU UC CXUFRRRXRC CCRC CUUC	R U C C U F R	FRFU UC CXUFRRXUCXCCRC CUUC	U R X U R X C C C X C X	B,F B,E,F B,E,F B,E E B,F C,E,M C,E C C C M E C,E,M C,E C C B,E,F E E E
Hooded Warbler Wilson's Warbler Canada Warbler Yellow-breasted Chat Summer Tanager Scarlet Tanager Eastern Towhee American Tree Sparrow Chipping Sparrow Field Sparrow Vesper Sparrow Savannah Sparrow Grasshopper Sparrow Saltmarsh Sharp-tailed Sparrow Fox Sparrow Song Sparrow Lincoln's Sparrow White-throated Sparrow White-crowned Sparrow Dark-eyed Junco Lapland Longspur Northern Cardinal Rose-breasted Grosbeak Blue Grosbeak Indigo Bunting Bobolink		FREU UC CXUFRRRXRC CCRC CUUC R	R U C U F R C U C	F R F U U C C X U F R R R X U C X C C R C C U U C F	U R X U R X C C C X C X C	B,F B,E,F B,E,F B,E E B,F E C,E,M C,E C C C M E C,E,M C,E C C C B,E,F E E C,M
Hooded Warbler Wilson's Warbler Canada Warbler Yellow-breasted Chat Summer Tanager Scarlet Tanager Eastern Towhee American Tree Sparrow Chipping Sparrow Field Sparrow Vesper Sparrow Savannah Sparrow Grasshopper Sparrow Saltmarsh Sharp-tailed Sparrow Fox Sparrow Song Sparrow Lincoln's Sparrow White-throated Sparrow White-crowned Sparrow Dark-eyed Junco Lapland Longspur Northern Cardinal Rose-breasted Grosbeak Blue Grosbeak Indigo Bunting Bobolink Red-winged Blackbird	N N N N N N N N N N N N N N N N N N N	FRFU UC CXUFRRRXRC CCRC CUUC RC	R U C C U F R U C U	FRFU UC CXUFRRXUCXCCRC CUUC FC	U R X U R X C C C X C X	B,F B,E,F B,E,F B,E E B,F E C,E,M C,E C C C C M E C,E,M C,E C C C B,E,F E E C,M C,M
Hooded Warbler Wilson's Warbler Canada Warbler Yellow-breasted Chat Summer Tanager Scarlet Tanager Eastern Towhee American Tree Sparrow Chipping Sparrow Field Sparrow Vesper Sparrow Savannah Sparrow Grasshopper Sparrow Saltmarsh Sharp-tailed Sparrow Fox Sparrow Song Sparrow Lincoln's Sparrow White-throated Sparrow White-throated Sparrow White-crowned Sparrow Dark-eyed Junco Lapland Longspur Northern Cardinal Rose-breasted Grosbeak Blue Grosbeak Indigo Bunting Bobolink Red-winged Blackbird Eastern Meadowlark		FREU UC CXUFRRRXRC CCRC CUUC R	R U C U F R C U C	F R F U U C C X U F R R R X U C X C C R C C U U C F	U R X U R X C C C X C X C	B,F B,E,F B,E,F B,E E B,F C,E,M C,E C,C C M E C,E,M C,E C C C M C,E C C C M C,E C C C C C C C C C C C C C C C C C C
Hooded Warbler Wilson's Warbler Canada Warbler Yellow-breasted Chat Summer Tanager Scarlet Tanager Eastern Towhee American Tree Sparrow Chipping Sparrow Field Sparrow Vesper Sparrow Savannah Sparrow Grasshopper Sparrow Saltmarsh Sharp-tailed Sparrow Fox Sparrow Song Sparrow Lincoln's Sparrow White-throated Sparrow White-crowned Sparrow Dark-eyed Junco Lapland Longspur Northern Cardinal Rose-breasted Grosbeak Blue Grosbeak Indigo Bunting Bobolink Red-winged Blackbird		FRFU UC CXUFRRRXRC CCRC CUUC RC	R U C U F R C U C	FRFU UC CXUFRRXUCXCCRC CUUC FC	U R X U R X C C C X C X C	B,F B,E,F B,E,F B,E E B,F E C,E,M C,E C C C C M E C,E,M C,E C C C B,E,F E E C,M C,M

Common Grackle	N	С	С	С	F	B,C,F
Brown-headed Cowbird	N	F	F	F	U	C,E
Orchard Oriole	N	U	F	R		Е
Baltimore Oriole		U	R	U		B,F
Purple Finch		R		R	R	C,E
House Finch	N	F	F	F	F	C,E
Red Crossbill		X			Χ	B,C,F
Common Redpoll		X			Χ	С
Pine Siskin		R		R	R	B,C,F
American Goldfinch	N	С	F	С	С	C,E
Evening Grosbeak		X		X	Χ	B,F
House Sparrow		R	R	R	R	C,E