

GEOGRAPHIC LOCATION KEY

- (1) Credit Island
- (2) Iowa State University Campus
- (3) DeSoto Wildlife Refuge
- (4) Monbasso State Park, above Sydney
- (5) NW Ames
- (6) Fields north of Ledges Park
- (7) Pilot Knob State Park
- (8) Forney Lake
- (9) Nobel Lake, near DeSoto Refuge
- (10) Goose Lake, near Jewell
- (11) South of Ames
- (12) Ledges Park

Fall Migration - Iowa

White Pelican - 45 - $\frac{9}{19}$ - (3)

Green Heron - 1 - $\frac{10}{12}$ - (5)

Pintail - 44 - $\frac{7}{19}$ - (3)

Blue-winged Teal - 14 - $\frac{7}{19}$ - (3)

Black Tern - 9 - $\frac{9}{19}$ - (3)

Least Tern - 8 - $\frac{9}{19}$ - (3) (sitting in roadside sandpit pools along US 30, 60 miles west of Ames; well observed for 5 minutes, features checked)

Osprey - 1 - $\frac{7}{28}$ - (5)

Barned Owl - 1 - $\frac{9}{18}$ - (1) (seen)

R-sh Hawk - 1 - $\frac{10}{5}$ - (5)

peaks

Mourning Dove - 300 - $\frac{9}{26}$ - (5); 225 - $\frac{7}{28}$ - (5)

Bl-bl Cuckoo - 1 - $\frac{9}{18}$ - (4)

peaks, latest

Barn Swallow - 3000+ - $\frac{7}{18}$ - (4); 450 - $\frac{7}{19}$ - (3); 6 - $\frac{7}{26}$ - (5)

latest

Suift - 120 - $\frac{7}{26}$ - (5)

peak

Red-headed Woodpecker - 38 - $\frac{7}{10}$ - (1)

peaks

Flicker - 50+ - $\frac{7}{18}$ - (4); 21 - $\frac{7}{19}$ - (3)

peaks

Blue Jay - 700 - $\frac{7}{18}$ - (4); 370 - $\frac{7}{26}$ - (5); 300+ - $\frac{7}{28}$ - (5); 230 - $\frac{10}{9}$ - (5)

peaks

Robin - 220± - $\frac{7}{18}$ - (4); 450 - $\frac{7}{26}$ - (5); 124 - $\frac{10}{9}$ - (5); 514 - $\frac{10}{19}$ - (5)

Thrasher - 1 - $\frac{9}{26}$ - (5); 1 - $\frac{10}{3}$ - (5)

Cabbid - 2 - $\frac{7}{19}$ - (3); 1 - $\frac{7}{26}$ - (5)

earliest

Red-breast Nuthatch - 1 - $\frac{7}{14}$ - (5); 2 - $\frac{7}{26}$ - (5); 4 - $\frac{10}{3}$ - (5)

Creeper - 2 - $\frac{10}{12}$ - (5)

peaks

House Wren - 21 - $\frac{7}{26}$ - (5); 14 - $\frac{7}{28}$ - (5)

Winker Wren - 2 - $\frac{10}{9}$ - (5)

all { Hermit Thrush - 1- $\frac{10}{3}$ -⑤; 2- $\frac{10}{12}$ -⑤; 1- $\frac{10}{24}$ -⑤
Swainson's Thrush - 2- $\frac{10}{3}$ -⑤; 1- $\frac{10}{5}$ -⑤; 6- $\frac{10}{12}$ -⑤; 2- $\frac{10}{16}$ -⑤; 1- $\frac{10}{19}$ -⑤
Veery Thrush - 4- $\frac{10}{9}$ -⑤; 1- $\frac{10}{12}$ -⑤; 1- $\frac{10}{16}$ -⑤

all { Pewee - 20- $\frac{9}{10}$ -①
Traill's Flyc - 5- $\frac{9}{10}$ -①; 1- $\frac{10}{3}$ -⑤
Yellow-bel Flyc - 1- $\frac{9}{10}$ -①

earliest, peaks
earliest peaks
earliest, peaks
Warwings - 2- $\frac{10}{5}$ -⑤; 12- $\frac{10}{9}$ -⑤; 293- $\frac{10}{19}$ -⑤
Ruby-cr Kinglet - 131- $\frac{9}{26}$ -⑤; 78- $\frac{10}{3}$ -⑤
Golden-cr Kinglet - 10- $\frac{10}{3}$ -⑤; 29- $\frac{10}{9}$ -⑤; 51- $\frac{10}{12}$ -⑤; 66- $\frac{10}{24}$ -⑤

all { Red-eyed Vireo - 35- $\frac{9}{26}$ -①; 1- $\frac{9}{26}$ -⑤; 2- $\frac{9}{29}$ -①; 1- $\frac{10}{19}$ -⑤
Yellow-th Vireo - 2- $\frac{9}{10}$ -①
Solitary Vireo - 2- $\frac{9}{26}$ -⑤; 1- $\frac{10}{3}$ -⑤; 5- $\frac{10}{19}$ -⑤
Philadelphia Vireo - 3- $\frac{9}{10}$ -①; 16- $\frac{9}{26}$ -⑤ (individually examined carefully); 2- $\frac{10}{3}$ -⑤

all Black + White Warbler - 1- $\frac{9}{10}$ -①

all Prothonotary Warbler - 1- $\frac{9}{10}$ -①

all Golden-w Warbler - 6- $\frac{9}{15}$ -①

all Blue-w Warbler - 2- $\frac{9}{18}$ -①

all Tennessee Warbler - 8- $\frac{9}{10}$ -①; 2- $\frac{9}{18}$ -①; 39- $\frac{9}{26}$ -⑤

all Or-cr Warbler - 4- $\frac{10}{3}$ -⑤; 1- $\frac{10}{9}$ -⑤; 4- $\frac{10}{12}$ -⑤; 2- $\frac{10}{16}$ -⑤; 8- $\frac{10}{19}$ -⑤

all Nashville Warbler - 5- $\frac{9}{10}$ -①; 1- $\frac{9}{18}$ -①; 28- $\frac{9}{26}$ -⑤; 8- $\frac{10}{3}$ -⑤; 1- $\frac{10}{9}$ -⑤

all Magnolia Warb - 1- $\frac{10}{19}$ -⑤

all Cape May Warb - 1- $\frac{10}{16}$ -⑤

all Bl-thr Blue Warb - 1- $\frac{10}{12}$ -⑤

earliest, peaks Myrtle Warbl - 29- $\frac{9}{26}$ -⑤; 200- $\frac{10}{16}$ -⑤; 69- $\frac{10}{19}$ -⑤

all Bl-thr Green War - 24- $\frac{9}{10}$ -①; 5- $\frac{9}{26}$ -⑤; 4- $\frac{9}{26}$ -⑤

all Cerulean War - 5- $\frac{9}{26}$ -⑤; 1- $\frac{9}{29}$ -①

all Blackburnian War - 7- $\frac{9}{10}$ -①; 2- $\frac{10}{3}$ -⑤

all Chestnut-sd War - 12- $\frac{9}{10}$ -①; 16- $\frac{9}{26}$ -⑤; 1- $\frac{10}{3}$ -⑤

all Bay-breast War - 4- $\frac{9}{10}$ -①

all Black-poll'd War - 2- $\frac{10}{12}$ -⑤; 2- $\frac{10}{16}$ -⑤

all	Palm Warbler - 3- $\frac{9}{26}$ -⑤; 1- $\frac{10}{16}$ -⑤
all	Ovenbird - 1- $\frac{9}{26}$ -⑤; 1- $\frac{9}{28}$ -⑤
all	Wilson's War - 1- $\frac{9}{10}$ -①
all	Canada War - 8- $\frac{9}{10}$ -①; 1- $\frac{9}{18}$ -④
all	Redstart - 17- $\frac{9}{10}$ -①; 26- $\frac{9}{26}$ -⑤
peaks	Grackles - 4600±- $\frac{9}{26}$ -⑤; 950±- $\frac{9}{28}$ -⑤; 375- $\frac{10}{3}$ -⑤
latest	Yellow-hd Blackbird - 9- $\frac{9}{19}$ -③
latest	Dickcissel - 14- $\frac{9}{19}$ -③
latest	Indigo Bunting - 5- $\frac{9}{19}$ -③
earliest, peaks	Purple Finch - 2- $\frac{10}{3}$ -⑤; 8- $\frac{10}{9}$ -⑤; 13- $\frac{10}{16}$ -⑤; 36- $\frac{10}{19}$ -⑤; 29- $\frac{10}{24}$ -⑤
	Siskin - 4- $\frac{10}{5}$ -⑤; 13- $\frac{10}{16}$ -⑤; 2- $\frac{10}{19}$ -⑤
earliest, peaks	Junco - 1- $\frac{10}{3}$ -⑤; 1- $\frac{10}{5}$ -⑤; 80- $\frac{10}{12}$ -⑤; 156- $\frac{10}{19}$ -⑤
	Dragon Junco - 1- $\frac{10}{16}$ -⑤ (adult, well observed, 3-4 minutes among SC Juncos)
	Le Conte's Sparrow - 2- $\frac{9}{19}$ -③
	Lark Sparrow - 2- $\frac{10}{2}$ -⑥
latest	Vesper Sparrow - 1- $\frac{10}{19}$ -⑤
	Chipping Sparrow - 5- $\frac{10}{16}$ -⑤; 1- $\frac{10}{19}$ -⑤
	Tree Sparrow - 3- $\frac{10}{29}$ -⑤
	Lincoln's Sparrow - 3- $\frac{9}{26}$ -⑤; 2- $\frac{10}{19}$ -⑤; 3- $\frac{10}{12}$ -⑤; 1- $\frac{10}{19}$ -⑤; 1- $\frac{10}{29}$ -⑤
	White-cr Sparrow - 1- $\frac{10}{16}$ -⑤; 1- $\frac{10}{19}$ -⑤
earliest	White-thr Sparrow - 4- $\frac{9}{26}$ -⑤
	Fox Sparrow - 2- $\frac{9}{19}$ -⑤; 6- $\frac{10}{19}$ -⑤; 4- $\frac{10}{29}$ -⑤
earliest	Song Sparrow - 5- $\frac{9}{26}$ -⑤
	Swamp Sparrow - 7- $\frac{10}{12}$ -⑤; 4- $\frac{10}{16}$ -⑤
	Harris' Sparrow - 2- $\frac{10}{9}$ -⑤

Early Spring Migration - Iowa

Horned Grebe - 3 - $\frac{1}{2}$ - (10) (full breeding plumaged adults)

Pud-billed Grebe - 11 - $\frac{1}{2}$ - (11)

Snow Goose - 80,000 ± - $\frac{3}{12}$ - (8)

Blue Goose - 120,000 ± - $\frac{3}{12}$ - (8)

Canada Goose - 25+ - $\frac{3}{12}$ - (8)

Wh-b Goose - 300 - $\frac{3}{12}$ - (8) (minimum count, carefully looked for)

Black Duck - 11 - $\frac{3}{12}$ - (8) (seen on water + in flight; minimum count)

Mallards - 44,000 - $\frac{3}{12}$ - (8); 150 - $\frac{1}{2}$ - (10); 15 - $\frac{1}{24}$ - (10)

Pintail - 20,000 - $\frac{3}{12}$ - (8); 30 - $\frac{1}{2}$ - (10)

Widgeon - 5,000 - $\frac{3}{12}$ - (8); 30 - $\frac{1}{24}$ - (10)

Green-wing Teal - 30,000 - $\frac{3}{12}$ - (8); 75 - $\frac{1}{2}$ - (10); 15 - $\frac{1}{24}$ - (10)

Blue-wing Teal - 3 - $\frac{3}{12}$ - (9); 2 - $\frac{1}{2}$ - (10); 200 - $\frac{1}{24}$ - (10)

Shaukel - 50 - $\frac{3}{12}$ - (8); 375 - $\frac{1}{2}$ - (10); 650 - $\frac{1}{24}$ - (10)

Wood Duck - 9 - $\frac{3}{12}$ - (9); 8 - $\frac{1}{24}$ - (10)

Ring-neck Duck - 500 - $\frac{3}{12}$ - (8); 900 - $\frac{1}{2}$ - (10); 125 - $\frac{1}{24}$ - (10)

Scamp - 5 - $\frac{3}{12}$ - (9); 3,750 - $\frac{1}{2}$ - (10); 120 - $\frac{1}{24}$ - (10)

Redhead - 11 - $\frac{3}{12}$ - (9); 375 - $\frac{1}{2}$ - (10); 3 - $\frac{1}{24}$ - (10)

Canvasback - 9 - $\frac{3}{12}$ - (9); 80 - $\frac{1}{2}$ - (10); 2 - $\frac{1}{24}$ - (10)

Goldeneye - 3 - $\frac{1}{2}$ - (10)

Bufflehead - 3 - $\frac{3}{12}$ - (8); 21 - $\frac{1}{2}$ - (10); 31 - $\frac{1}{24}$ - (10)

Ruddy Duck - 16 - $\frac{3}{12}$ - (8); 2 - $\frac{1}{2}$ - (10); 1 - $\frac{1}{24}$ - (10)

Common Merganser - 150 - $\frac{3}{12}$ - (8)

Hooded Merganser - 4 - $\frac{1}{2}$ - (10)

Coschall - 250 - $\frac{3}{12}$ - (8); 225 - $\frac{1}{2}$ - (10); 275 - $\frac{1}{24}$ - (10)

Common Gallinule - 1 - $\frac{1}{2}$ - (10) (well observed, close + distant, marks observed)

Coot - 1500 - $\frac{1}{2}$ - (10); 1600 - $\frac{1}{24}$ - (10)

Bonaparte's Gull - 3 - $\frac{1}{24}$ - (10) (breeding plumage, not Franklin's)

Black Tern - 8 - $\frac{1}{24}$ - (10)

Osprey - 1 - $\frac{1}{24}$ - (10)

Woodcock - 1 - $\frac{1}{3}$ - (5)

Spotted Sandpiper - 1 - $\frac{1}{24}$ - (10)

Lesser Yellowlegs - 2 - $\frac{1}{24}$ - (10)

Avocet - 7 - $\frac{1}{24}$ - (10) (well seen flying, breeding plumage, am well familiar w/ species)

Upland Plover - 1 - $\frac{1}{24}$ - (10) (south of lake near Jewell)

Swift - 2 - $\frac{1}{24}$ - (10)

Tree Swallow - 7 - $\frac{1}{24}$ - (10)

Purple Martin - 2 - $\frac{1}{24}$ - (10)

LB Marsh Wren - 1 - $\frac{3}{2}$ - (8)

Hermit Thrush - 1 - $\frac{1}{24}$ - (10)

Baltimore Oriole - 1 - $\frac{1}{24}$ - (10) (female in outskirts of Jewell around residences)

Redwing - 1600 - $\frac{1}{2}$ - (10); 1000 - $\frac{1}{24}$ - (10)

Grackle - 300 - $\frac{1}{2}$ - (10); 1,850 - $\frac{1}{3}$ - (5); 700 - $\frac{1}{24}$ - (10)

Rusty Blackbirds - 100 - $\frac{1}{2}$ - (10)

Brewer's Blackbirds - 30 - $\frac{1}{2}$ - (10) (by count, in field w/ Grackles + Redwings)

Yellow-headed Blackbirds - 35 - $\frac{1}{24}$ - (10)

Junco - 310 - $\frac{1}{3}$ - (5)

Red-breasted Nuthatch - 2 - $\frac{1}{3}$ - (5)

Lapland Longspur - 1 - $\frac{3}{2}$ - (8) (winter \rightarrow , w/ traces of breeding plumage showing)

Late Spring Migration - Iowa

Scalp - 1 - $\frac{5}{15}$ - (11)

Upland Plover - 1 - $\frac{5}{15}$ - (11)

Yellow-thr. Cuckoo - 2 - $\frac{5}{29}$ - (12)

Bl.-hd Cuckoo - 1 - $\frac{5}{15}$ - (5); 1 - $\frac{5}{29}$ - (12); 2 - $\frac{5}{30}$ - (10); 1 - $\frac{5}{31}$ - (12)

Olive-sided Flycatcher - 1 - $\frac{5}{28}$ - (12)

Peak Crested Flycatcher - 18 - $\frac{5}{28}$ - (12); 16 - $\frac{5}{29}$ - (12)

Trail's Flycatcher - 11 - $\frac{5}{15}$ - (5); 2 - $\frac{5}{21}$ - (5); 4 - $\frac{5}{28}$ - (12); 12 - $\frac{5}{29}$ - (12); 2 - $\frac{5}{30}$ - (10)

Peak E. Wood Pewee - 95 - $\frac{5}{28}$ - (12)

Yellow-bellied Flycatcher - 1 - $\frac{5}{31}$ - (12) (well seen)

Least Flycatcher - 4 - $\frac{5}{15}$ - (5) (compared to nearby Trail's); 2 - $\frac{5}{28}$ - (12)

Acadian Flycatcher - 1 - $\frac{5}{15}$ - (11) (well seen, good light; plumage + note checked; seen for 5 minutes)

W. Wood Pewee - 3 - $\frac{5}{29}$ - (12) (at least 3 well-marked individuals)

Western Kingbird - 2 - $\frac{5}{28}$ - (6) (along edge of pasture + brushy woods; on fence + wires; features well seen; observed for several minutes); 1 - $\frac{6}{1}$ - (3) (on Refuge near entrance)

earliest Martins - 4 - $\frac{5}{15}$ - (1)

peak Bank Swallow - 191 - $\frac{5}{31}$ - (3)

peak Swifts - 350 - $\frac{5}{15}$ - (11)

Cliff Swallow - 1 - $\frac{5}{15}$ - (11); 1 - $\frac{5}{28}$ - (12); 4 - $\frac{5}{31}$ - (3)

peak House Wren - 32 - $\frac{5}{15}$ - (5+11+12); 35 - $\frac{5}{28}$ - (12)

Baird's Wren - 1 - $\frac{5}{15}$ - (5) (kicked from brush pile, fully seen + heard)

Carolina Wren - 2 - $\frac{5}{15}$ - (5); 12 - $\frac{5}{15}$ - (12) (few seen, mostly heard)

latest Red-breasted Nuthatch - 1 - $\frac{5}{15}$ - (11)

peak Thrasher - 15 - $\frac{5}{28}$ - (12)

peak Catbird - 14 - $\frac{5}{21}$ - (5); 13 - $\frac{5}{28}$ - (12)

E. Bluebird - 6 - $\frac{5}{31}$ - (3)

Wood Thrush - 2- $\frac{5}{15}$ -⑤; 2- $\frac{5}{21}$ -⑤

Swainson's Thrush - 7- $\frac{5}{15}$ -⑤; 12- $\frac{5}{15}$ -⑫; 1- $\frac{5}{30}$ -⑩; 1- $\frac{5}{31}$ -③

Gray-checked Thrush - 10- $\frac{5}{15}$ -⑤; 4- $\frac{5}{15}$ -⑫

Veery - 1- $\frac{5}{15}$ -⑤; 1- $\frac{5}{19}$ -②

Grackles - 1- $\frac{5}{15}$ -⑤; 2- $\frac{5}{15}$ -⑫; 3- $\frac{5}{29}$ -⑫; 3- $\frac{5}{31}$ -⑫

peak Waxwing - 52- $\frac{5}{31}$ -⑫

Pipit - 16- $\frac{5}{15}$ -⑤

Ruby-cr Kinglet - 9- $\frac{5}{15}$ -⑤+⑪

Yellowthroated Vireo - 4- $\frac{5}{15}$ -⑤; 1- $\frac{5}{15}$ -⑤; 1- $\frac{5}{28}$ -⑫; 3- $\frac{5}{29}$ -⑫

Solitary Vireo - 12- $\frac{5}{15}$ -⑤; 3- $\frac{5}{21}$ -⑤; 2- $\frac{5}{28}$ -⑫; 1- $\frac{5}{31}$ -③

earliest, peak Red-eyed Vireo - 4- $\frac{5}{15}$ -⑤; 225- $\frac{5}{28}$ -⑫

White-eyed Vireo - 1- $\frac{5}{21}$ -⑤ (heard singing well for 5 minutes; few brief views while tracking it)

Bell's Vireo - 2- $\frac{5}{21}$ -⑤ (one seen well; features examined w/care); 1- $\frac{5}{31}$ -⑫

Philadelphia Vireo - 1- $\frac{5}{15}$ -⑤; 15- $\frac{5}{21}$ -⑤ (each ident. individually w/care)

Warbling Vireo - 1- $\frac{5}{15}$ -⑪; 28- $\frac{5}{28}$ -⑫; 24- $\frac{5}{29}$ -⑫

Black + White Warb - 3- $\frac{5}{15}$ -⑤; 7- $\frac{5}{15}$ -⑫; 7- $\frac{5}{21}$ -⑤

Prothonotary Warb - 1- $\frac{5}{15}$ -⑫

Golden-w Warb - 1- $\frac{5}{28}$ -⑫; 1- $\frac{5}{29}$ -⑫

Blue-w Warb - 3- $\frac{5}{15}$ -⑤; 1- $\frac{5}{21}$ -⑤; 3- $\frac{5}{28}$ -⑫; 2- $\frac{5}{29}$ -⑫; 1- $\frac{5}{31}$ -⑫

Tennessee Warb - 3- $\frac{5}{15}$ -⑤; 4- $\frac{5}{15}$ -⑪; 30- $\frac{5}{19}$ -⑫; 65- $\frac{5}{20}$ -⑫; 3- $\frac{5}{21}$ -⑤

Orange-cr Warb - 55- $\frac{5}{15}$ -⑤; 18- $\frac{5}{15}$ -⑫; 15- $\frac{5}{19}$ -⑫; 4- $\frac{5}{21}$ -⑤

Nashville Warb - 30- $\frac{5}{15}$ -⑤; 9- $\frac{5}{15}$ -⑪; 14- $\frac{5}{15}$ -⑫; 22- $\frac{5}{21}$ -⑤; 3- $\frac{5}{28}$ -⑫; 2- $\frac{5}{29}$ -⑫

Parula W - 1- $\frac{5}{31}$ -⑫ (adult seen + heard well; overhead 15' up for several minutes)

earliest, peak Yellow W - 7- $\frac{5}{15}$ -⑤; 40- $\frac{5}{28}$ -⑫

Magnolia W - 4- $\frac{5}{15}$ -⑤; 1- $\frac{5}{15}$ -⑫; 40- $\frac{5}{21}$ -⑤; 1- $\frac{5}{28}$ -⑫; 2- $\frac{5}{29}$ -⑫

Cape May W - 3- $\frac{5}{15}$ -⑪; 8- $\frac{5}{28}$ -⑫; 4- $\frac{5}{29}$ -⑫

Bl-th Blue W - 2- $\frac{5}{15}$ -⑤; 1- $\frac{5}{15}$ -⑪; 2- $\frac{5}{31}$ -⑫

peak Myrtle Warb - 180- $\frac{5}{15}$ -⑫

Bl-th Green Warb - 1- $\frac{5}{19}$ -②; 3- $\frac{5}{21}$ -⑤

Cerulean Warb - 19- $\frac{5}{21}$ -⑤; 107- $\frac{5}{28}$ -⑫; 11- $\frac{5}{29}$ -⑫ (8 were singing ♂♂); 6- $\frac{5}{31}$ -⑫ (all singing ♂♂)

Blackburn Warb - 2- $\frac{5}{15}$ -⑤; 12- $\frac{5}{21}$ -⑤; 2- $\frac{5}{28}$ -⑫; 2- $\frac{5}{29}$ -⑫

Chestnut-sided Warb - 8- $\frac{5}{15}$ -⑤; 45- $\frac{5}{21}$ -⑤

Bay-breast Warb - 1- $\frac{5}{15}$ -⑤; 1- $\frac{5}{15}$ -⑪; 2- $\frac{5}{21}$ -⑤; 1- $\frac{5}{31}$ -⑫

Black-poll'd Warb - 16- $\frac{5}{21}$ -⑤; 14- $\frac{5}{28}$ -⑫; 4- $\frac{5}{29}$ -⑫; 2- $\frac{5}{30}$ -⑩; 2- $\frac{5}{31}$ -⑫

Prairie Warb - 1- $\frac{5}{15}$ -⑫; 1- $\frac{5}{28}$ -⑫

Palm Warb. - 2- $\frac{5}{15}$ -⑤; 3- $\frac{5}{15}$ -⑪; 1- $\frac{5}{28}$ -⑫

Ovenbird - 6- $\frac{5}{15}$ -⑤; 5- $\frac{5}{15}$ -⑫; 16- $\frac{5}{21}$ -⑤; 5- $\frac{5}{28}$ -⑫

Northern Water Thrush - 6- $\frac{5}{15}$ -⑤; 2- $\frac{5}{15}$ -⑪

Kentucky Warb. - 2- $\frac{5}{15}$ -⑤ (minimum number; both seen)

Connecticut Warb - 3- $\frac{5}{15}$ -⑤ (all well seen; 1 full ♂, 2 other adults in partial breeding plumage)

Mourning Warb. - 1 ♀ - $\frac{5}{29}$ - ⑫ (observed + trailed for 10 minutes; features checked)

Yellowthroat - (10-20 ea day in field)

Hooded Warb. - 1- $\frac{5}{31}$ -⑩ (adult ♂ in low bottomland; seen well enough)

Wilson's Warb. - 6- $\frac{5}{21}$ -⑤; 3- $\frac{5}{28}$ -⑫; 9- $\frac{5}{29}$ -⑫; 1- $\frac{5}{30}$ -⑩; 5- $\frac{5}{31}$ -⑫

Canada Warb - 3- $\frac{5}{21}$ -⑤; 1- $\frac{5}{29}$ -⑫

Redstart - 15- $\frac{5}{15}$ -⑤+⑪+⑫; 4- $\frac{5}{21}$ -⑤; 14- $\frac{5}{28}$ -⑫; 15- $\frac{5}{29}$ -⑫

Scarlet Tanager - 3- $\frac{5}{28}$ -⑫

Summer Tanager - 1- $\frac{5}{31}$ -③ (a male seen briefly in trees near boat ramp)

Baltimore Oriole - 8- $\frac{5}{15}$ -⑤; 11- $\frac{5}{28}$ -⑫; 18- $\frac{5}{31}$ -③

Orchard Oriole - 1- $\frac{5}{28}$ -⑫; 6- $\frac{5}{31}$ -③

Brewer's Blackbird - 2 ♂ - $\frac{5}{15}$ - ⑪ (well seen; compared to grackles + cowbirds in field; good lighting)

Grackle - 530 - $\frac{5}{15}$ - ⑤+⑪+⑫

Cowbird - 265 - $\frac{5}{15}$ - ⑤+⑪+⑫

Bobolink - 45 - $\frac{5}{15}$ - ⑪

Winter Wren - 2 - $\frac{5}{15}$ - ⑪ (features noted)

Robin

Rose-breasted Grosbeak - 7- $\frac{5}{15}$ -⑤; 10- $\frac{5}{21}$ -⑤

Blue Grosbeak - 3- $\frac{5}{31}$ -⑫→③ (seen adequately but briefly on telephone and fence wires)

Indigo Bunting - 2- $\frac{5}{15}$ -⑫; 10- $\frac{5}{29}$ -⑫

Dickcissel - 2- $\frac{5}{15}$ -⑪; 125- $\frac{5}{31}$ -⑫→③

Siskin - 4- $\frac{5}{15}$ -⑤

Goldfinch - 620- $\frac{5}{15}$ -⑤

Junco - 1- $\frac{5}{15}$ -⑤

earliest, peaks

peak

peak

early peak

earliest, peak

earliest, peak

earliest, peak

latest

peak

latest

Harris' Sparrow - 1 - $\frac{5}{15}$ - ⑤ (full adult); 1 - $\frac{5}{21}$ - ⑤ (partial adult plumage)

Lincoln's Sparrow - 3 - $\frac{5}{15}$ - ⑤

Swamp Sparrow - 2 - $\frac{5}{15}$ - ⑤

Lark Sparrow - 2 - $\frac{5}{28}$ - ⑥ (same area as seen last fall); 1 - $\frac{5}{29}$ - ⑥

Henslow's Sparrow - 2 - $\frac{5}{29}$ - ⑥

Le Conte's Sparrow - 6 - $\frac{6}{1}$ - ③ (in brushy fields near Refuge bldgtrs.)

Baird's (?) Sparrow - 1 - $\frac{5}{28}$ - ⑥ (On fence wire along road; observed for 2 minutes at 75' w/ 8x40 glasses; mostly seen as side view. Dull yellow center crown stripe; brown + yellow in head, cheek, side neck; dull yellow suffusion across upper breast + a little along sides; streaks on upper breast, but none on throat or along sides; tail not notched; red tinge on back or folded wings contrasting with yellow about head-neck-front. Legs looked more pink than fleshy; couldn't determine how broad was center crown stripe. Couldn't find it next day.)