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"most wanted". This handso	Warbler" is certainly near the top of bir ome and equally rare male Blue-winged through Heron Rookery, <i>Porter</i> 2 May	l x Golden-winged

Back cover photo: Loggerhead Shrike, the first record in Vigo County in 26 years. photo by Marty Jones

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John Kendall

Letter from the Editor

This quarter, IAQ is featuring yet another one of our editors—this time, we salute the life works of John Castrale and his significant impact on the avifauna in our state. While John is a familiar Hoosier to many, only some have actually met him and fewer yet know of his contributions to the culinary world. It seems that each fall, John harvests from his yard some of the finest Persimmon pulp found anywhere, supplying restaurants across the U.S! John was born and raised in Evansville, has degrees in wildlife ecology from both Purdue University and Brigham Young University

ecology from both Purdue University and Brigham Young University and additional graduate studies at West Virginia University. John Studied mourning dove ecology in South Carolina and impacts of

sagebrush management on songbirds in Utah.

John has spent nearly 30 years as a research biologist and nongame biologist with the Indiana Division of Fish and Wildlife based near Mitchell. Earlier projects included studies of no-till agricultural impacts on birds and small mammals and lead shot ingestion by mourning doves. As the Nongame Bird Biologist, John is perhaps best known for the successful restoration of bald eagles, peregrine falcons, and osprey and monitoring and management of colonial water birds, and Least Terns. You may not know that John also coordinated two Indiana Breeding Bird Atlas projects, has been a member of the Indiana Audubon Society for many years and serves as compiler of the Summer Bird and Winter Bird Feeder Counts. When I see an Osprey in summer in Indiana, I think of John Castrale, so the photo chosen below only seems fitting.



John Castrale hacking a young Osprey.

photo provided by John Castrale

Field Notes - spring 2011

John Kendall, jeffro595@yahoo.com

Spring of 2011 will go down as one of the wettest springs in history in most areas of the state. As the season began with a relatively normal March, the weather turned a bit wetter and particularly cold throughout April, leaving tree leafing well behind schedule into May for much of the central and northern portions of the state. May set many records for precipitation, with most areas several inches above normal for the month!

Highlights included Fulvous Whistling Duck, a few Eared and Red-necked Grebes, increased White Pelicans, a Tricolored Heron, Plegadis Ibis and continued northern movements by Mississippi Kites, Black Vultures, and Fish Crows. The highlights continued with expected (based on winter "invasion") multiple Northern Goshawk sightings, record numbers of Golden Eagles, a good flights of both Ross's Geese and lingering Yellow-headed Blackbirds, two Swainson's Hawks, a record late Purple Sandpiper, record numbers of Black-necked Stilt, the first Ruff in many years, two Scissor-tailed Flycatchers and single records of both Kirtland's and "Lawrence's" Warbler.

The editor is indebted to Ken Brock for his statewide spring report, which is heavily referenced in this year's Spring Field Notes.

Reports were submitted by: Jim Haw and Ken Brock.

County names appear in italics.

Abbreviations:

FWA = Fish & Wildlife Area NWR = National Wildlife Refuge

SP = State Park SRA = State Recreation Area

GBHA = Game Bird Habitat Area TNC = The Nature Conservancy

IBA = National Audubon Important Bird Area

SPECIES ACCOUNTS

Fulvous Whistling-duck - L.W. Sterrenburg, in what has become a nearly annual occurrence, flushed (1) at Goose Pond, *Greene* on 27 May.

Ross's Goose – With dozens of reports again this year, this species apparently continues to be observed in increasing numbers into March. E.M. Hopkins counted (53) at Kankakee FWA *Starke* on 6 Mar. This is Indiana's third largest count. A bird found 20 April by Carolyn Marsh at Forsythe Park, *Lake* lingered until 29 April. This made it the latest record for the Lakefront (Ken Brock).

(Ren Brock).

Ross's Goose, Forsythe Park, *Lake* 23 April



photo by Ken Brock

Wood Duck - In spite of April's cool weather there were early breeding reports this year, with 16 eggs observed in *Cass*, on 21 Apr (Lee Scheidler) and (9) downy chicks at Goose Pond FWA on 25 Apr (Brad Feaster).

Gadwall - Thanks to some fine counts at Goose Pond FWA it was a record spring for this dabbler. The highest tallies included: (853) on 18 Mar (L.W. Sterrenburg), (580) on 7 Mar (L.W. Sterrenburg), and (500) on 3 Mar (D.R. Whitehead). 18 Mar tally is Indiana's 3rd all-time highest and the largest spring count (per Ken Brock).

American Black Duck - The 145 birds reported is the lowest spring total since 2000 (92 were

counted that year).



Hybrid Mallard X Northern Pintail, Wolf Lake, *Lake Co*. 11 March

photo by Michael Topp

Harlequin Duck – The winter holdover adult male was still at Whihala Beach, *Lake* on 12 Mar (Michael Topp), but was not reported thereafter.

Surf Scoter – This species was once again more widely reported away from Lake Michigan. Seven were identified on Hardy Lake in *Scott*, 27 Mar (Tom & Colleen Becker). This was followed by a female at Stillwater, *Monroe* (Susan Hengeveld & astute students) and an ad male at Cane Ridge, *Gibson* (Steve Gifford) on 31 Mar. Two more males were at Summit Lake SP in *Henry* on 3 Apr (S.A. Pancol).

White-winged Scoter - A first Dubois Co record was set when Amy Kearn's identified (2) on Huntingburg Lake, *Dubois* 19 Feb. Jeff Schaffer found a female at the Universal Mine, *Vermillion* 28 Mar.

Black Scoter – A rare inland bird appeared at Eagle Creek Park, *Marion* on a stormy 4 Apr day (Larry Peavler et al.). This female constituted the 19th inland spring record. A nice flock of (3) appeared on Lake Lemon, *Monroe* 8 Apr (Hengevelds) and one of these lingered through 28 Apr.(Landon Neumann).

Long-tailed Duck - Lake Michigan numbers on were extremely low and numbers of this sea duck were down for the state. Inland birds were reported in five counties: Greene, Jennings, Marion, Newton, and Steuben. All were singletons except for the two in Steuben Co.

Common Merganser - This spring's total of 165 is the lowest in five years. The large numbers present on Lake Michigan in January apparently departed in February. The peak spring tally was (31) at Kingsbury FWA, *LaPorte* on 5 Mar (J.K. Cassady et al.).

Red-breasted Merganser - For the second consecutive year numbers were down significantly (Ken Brock).

Ruffed Grouse – Providing hope that this species can continue to avoid extirpation in Indiana, there was a noteworthy report of a red morph of this difficult to find species in Brown Co on 15 April (David Daniels).

Red-throated Loon – Most impressive, especially for this late date, was a flight of (43) at the Green Tower site at Indiana Dunes SP, *Porter* on 30 Apr (J.J. McCoy et al.). This is the state's fifth largest flight. For the season 178 were reported, which far exceeds the TYM of 35.5.

Common Loon - The only member of this group with below average numbers; however, this year's 348 is well above the 289 reported in spring 2010 (Ken Brock).

Red-necked Grebe - Three lingering individuals (a maximum of two at Muscatatuck NWR, *Jennings* and one at Eagle Creek Park, *Marion*). Two molting birds were at Muscatatuck on 8 Mar (Amy Kearns & David Crouch). They lingered until at least 27 Mar (Tom & Colleen Becker). One appeared at Eagle Creek Park on 27 Apr (R.F. Buskirk) and was seen 6 May (Amy Kearns). This was Indiana's best spring for this species since 2003 (Ken Brock).



Red-necked Grebe, Eagle Creek Park, Marion 7 May

photo by Michael Brown

Eared Grebe - 3 Eared Grebes made up a nice spring count. Dennis Roth and W.H. Buskirk identified a basic-plumed bird at the Dunlapsville Causeway Ramp on Brookville Res in *Union* on 2 Mar. Presumably the same bird was observed there as late as 7 April (Deb Gross). A molting bird was seen on Murphy Lake at Willow Slough FWA, *Newton* on 30 Apr (J.J. McCoy et al.). One was at Goose Pond FWA on 21 March (Terry O'Connor & Meda Holt).



Eared Grebe, Willow Slough FWA 5/1/11

photo by J.C. Kendall

American White Pelican – Indiana birders enjoyed another superb spring for White Pelicans as they continue to increase for unknown reasons. The season's first report consisted of (22) flying over e. Monroe Co on 12 Mar (Richard Wiesler et al.). A record count of (284) was logged at Goose Pond, *Greene* on 27 Mar (Vern Wilkins). Vern's record was short lived, as D.R. Whitehead, Don Allen, and Bob Kissel counted (324) on 31 Mar. But even this elevated tally did not stand for long, as Don Allen logged (350) in Goose Pond unit #10N on 9 Apr.

Double-crested Cormorant - The lakefront colony at the steel mills is still going strong. On 12 May (2633) nests were counted on the East Chicago lakefront (J.S. Castrale et al.).

Least Bittern – It was a record spring for this bittern (Ken Brock). The previous best was 31 in 2009. The peak count was (6) at Goose Pond 27 May (L.W. Sterrenburg), but records came from 13 different areas.

Great Egret - A fine season was highlighted by a count of (111) at Goose Pond FWA on 8 May (L.W. Sterrenburg). The latter figure is a record count for the spring season. Presumably due to lack of food from last year's drought and fish die-off (Lee Sterrenburg, pers. Comm.), this high spring count will contrast strongly with the next issue's summer season report in which zero Great Egrets were located in early summer at Goose Pond.

Little Blue Heron – One was reported 9 May at Beanblossom Bottoms, *Monroe* (Tom & Colleen Becker). A single bird was reported at Goose Pond 31 May (Lee Sterrenburg).

Tricolored Heron - L.W. Sterrenburg discovered one at Goose Pond FWA 22 Apr. This is the state's 18th record.

Snowy Egret – Reports increased this year, led by (3) at Cane Ridge 28 May (Steve Gifford), and singles at Cane Ridge, *Gibson*, 20 April (Amy Kearns & John Castrale), *Vermillion* (Michael Brown, 29 April, and a maximum of (2) at Goose Pond 31 May (Lee Sterrenburg),

Cattle Egret – This species was reported in higher numbers than has been the recent trend. There were numerous reports of single and small groups of birds throughout the state.

Black-crowned Night-Heron - The (260) nests counted on the 12 May steel mill census on the East Chicago lakefront (J.S. Castrale et al.) is most noteworthy. Although there was no report of adult numbers, this nest number far exceeds Indiana's highest daily count of Black-crowned Night-Herons (Ken Brock).



Yellow-crowned Night-heron – Marty Jones captured this seldom photographed species with a frog in Terre Haute, *Vigo* on 31 Mar. This is Indiana's second earliest record and only the second March report.

photo by Marty Jones

Plegadis Ibis - Single, non-specific dark Ibis' were reported at Chinook Mine, *Vigo* (Nicholas Brown, Michael Brown, Mike Hannum, Clint and Dana Maddox) 29 April, Goose Pond 22 May (Lee Sterrenburg), and 30 April Kankakee Sands in *Newton*, (Ed Hopkins),

Black Vulture – In addition to the usual fine counts in southern Indiana, J.A. Haw discovered one, in the company of Turkey Vultures, much further northward in Adams Co on 30 Mar. This is a first county record. Apparently this species is being seen more regularly in central Indiana as it moves northward.

Mississippi Kite – There were a couple of reports documenting this species' northward expansion. On 12 May an extra-limital bird, and first county record, was logged in eastern Jay Co (Aaron Boone). The bird flew in from Darke Co., Ohio. A possible new territory was discovered 18 May when Brian Tayler observed a pair near hole #1 of Christmas Lake Golf Course in Santa Claus (more than three miles from the established breeding site in Lincoln S.P.). Northern Goshawk – As anticipated from last winter's small invasion (highest winter count since 1993 per Ken Brock), there were several reports. On 13 Mar Jed Hertz identified an adult at Willow Slough. A perched adult was at Eagle Creek Park, *Marion* on 27 Mar (Larry Peavler). A first year bird was seen (and photographed) regularly at Eagle Creek Park from 30 Mar (Jeanette Frazier et al.) through 6 Apr (Larry Peavler). Eric and Rob Ripma reportedly saw one (not aged) at Eagle Creek on 10 Apr (*fide* Larry Peavler). During a 9 Apr Dunes S.P. hawkwatch an immature flew past heading eastward. It was harassed by a crow, which it dwarfed, and buffy bars were visible on the upper wing coverts (J.C. Kendall, L.S. Hinchman, J.J. McCoy, and KJB). The last time Indiana had this many Goshawks was in winter 1993 and spring 1994, thus once again demonstrating a successive winter-spring correlation.



Northern Goshawk, Eagle Creek Park, Marion 2 April photo by Michael Brown

Swainson's Hawk - A light-morph bird was seen in s. Randolph Co on 28 Apr (Aaron Boone). This is Indiana's 18th record. An adult light-morph flew over the Green Tower site (Dunes S.P.) during a hawk watch 9 May (K.J.Brock & J.C. Kendall).

Golden Eagle - Record numbers were reported across Indiana this spring. The 19 reported this year is Indiana's best ever (by a wide margin). The next highest spring total was 12 in 2008 (Ken Brock).

Peregrine Falcon – On 26 May Amy Kearns and J.S. Castrale visited four NW Indiana nesting sites (Wheatfield Schafer plant, Michigan City power plant, Bailly Generator, and Whiting BP refinery). They saw (7) adults and banded (10 chicks). This is Indiana's largest Peregrine count.

King Rail – This species continues to be found in increased numbers near established wetlands as typical reports came in from Goose Pond, Cane Ridge and Kankakee Sands.

Common Moorhen - It was a good year for this wetland bird. Only the 92 reported in the spring of 1986 exceeds the 87 birds recorded this year (STYM=23.0).

American Golden-Plover - Indiana's seventh earliest arrival date was tied on 18 Mar when Leland Shaum and Howard Kauffman found a basic-plumed bird on the LaPorte Co side of Kankakee FWA. On 11 Apr J.J. McCoy searched Benton Co. and only after moving south of the windmill farm area did he locate any. There he counted (875). Wes Homoya ran several surveys in the *Benton* IBA in April and May, with counts peaking 7 May at 985. His report also noted that the birds apparently avoided the wind farm area inside this IBA. The season's maximum count was (1163) in Montgomery Co on 17 Apr (E.M. Hopkins).

Piping Plover - It was an impressive season with three birds reported in *Lake*. National Lakeshore employee Susan MiHalo discovered the first bird at West Beach on 6 May. Subsequently, Michael Topp found (2) at Miller Beach during the Big May Count on the 14th. One of the latter was banded as follows: Left Leg (Orange) - Right Leg (Metallic over light Green).

Black-necked Stilt – Indiana's maximum count of this species (Ken Brock) was greatly exceeded this spring. Prior to 2011 the state's highest daily count was 60 birds, recorded by the Bowmans' 17 August 2008 at Cane Ridge, *Gibson* and the highest spring tally was 23. This year the following reports both constituted record spring counts: (24) 17 Apr at Goose Pond FWA (L.W. Sterrenburg) and (36) on 22 Apr at Cane Ridge (Tim Griffith). A 19 May survey of the Lake Gibson area by Amy Kearns and Chuck Mills significantly elevated the bar on this species. They counted (77) adults plus 19 nests containing 66 eggs. Then on 25 May Chuck counted (85) adults at Lake Gibson.

American Avocet - A flock of (5) that flew over Main Pool West at Goose Pond FWA on 17 Apr (L.W. Sterrenburg), tied the state's third earliest arrival date. On 24 Apr Dan Leach counted (21) at Goose Pond FWA, which ties Indiana's fourth largest tally.

Lesser Yellowlegs - A field adjacent to L. Gibson contained some (800) on 13 Apr (Evan Speck and Chuck Mills). This is Indiana's fourth largest daily count.

Willet –The 3 reports of single individuals were dwarfed by 20 that were discovered 27 April near Chinook Mine, *Vigo* (Peter Scott, Diana Hews, Jim Sullivan ph.)

Upland Sandpiper – In addition to a pair on territory at TNC Kankakee Sands, *Newton* beginning 22 April (J.J.McCoy, et.al.), there was a single bird 21 April at the Burn, *Montgomery* (Russ and Barbara Allison) and 25 April in *Benton* (Ed Hopkins).

Whimbrel - Jed Hertz found one at TNC Kankakee Sands, *Newton* on 12 May. This is only the 18th Indiana record away from the lakefront.

Hudsonian Godwit - Two alternate plumed birds were at Goose Pond FWA on 23 and 24 Apr (L.W. Sterrenburg, Amy & Noah Kearns). On 30 Apr J.J. McCoy found (6) at TNC Kankakee Sands, *Newton* which is Indiana's third largest spring tally (Ken Brock).

Marbled Godwit - Gary and Lisa Bowman observed (2) flying over L. Gibson on 17 Apr. The following day Steve Gifford obtained superb photos of (1) in rural Gibson Co. On the 18th (15) were present at the latter site (Steve Gifford). A flock of (26), along with one Willet, was on the grass at Forsythe Park, *Lake* 26 Apr (C.A. Marsh). The latter is the lakefront's largest daily count and Indiana's fourth largest.

Sanderling - Two, present on the Dunes S.P beach, *Porter Co.* 10 Apr (Brad Bumgardner, B.J. Grube, & P.B. Grube), constituted a new early spring arrival date for Indiana (Ken Brock).

Western Sandpiper - Not reported during the spring flight for the third consecutive year.

Baird's Sandpiper – A molting bird was found at a new shorebird habitat area at Limberlost Swamp, Adams Co on 20 Apr (J.J. McCoy). This species is quite rare in spring; indeed this is only Indiana's 23rd spring report.

Purple Sandpiper - Amazingly, one was found on the Hammond Sanctuary beach 14 May (R.J. Sanderson, Ryan Hamilton, & Dave Wantz). This is Indiana's third spring, and first May record. **Stilt Sandpiper** - No records could be located for this species, which is difficult to locate in spring.

Ruff - Indiana's first Ruff in nine years was found near Muncie (Delaware Co) 29 Apr (Aaron Boone). This handsome "black" male was still present the following day and was seen by several others.

Short-billed Dowitcher – This species was reported in slightly below normal numbers this spring.

Long-billed Dowitcher - Evan Speck photographed (2) basic-plumed birds in Patoka River NWR *Gibson* on 27 Mar. This record ties Indiana's third earliest arrival date.

Wilson's Snipe - A combined count of (416) at Kankakee FWA, Kankakee Sands, and Pine Creek Gamebird Habitat Area on 2 Apr (J.J. McCoy), yielded Indiana's third highest daily count. A nest containing (4) eggs was found on the Mississinewa Res. spillway (J.J. McCoy).

American Woodcock – Ken Brock reports that an all-time high count for Indiana was set 7 Mar Res. on 17 March 2003. (J.J. McCoy).

Wilson's Phalarope – There were 7 reports of 9 individuals, notably a pair apparently on territory at Kankakee Sands in late April through mid-May in *Newton* (J.J.McCoy).

Red-necked Phalarope - An alternate female was discovered in Allen Co 19 May (R.P. Rang). **Laughing Gull** – On the 14 May Count an alternate adult was found at Goose Pond FWA (L.W. Sterrenburg, Jim Brown and Terri Greene), a first record for that location. Another was seen there on 28 May (Rob Ripma et al.). An alternate adult in Lake 7 May (J.J. McCoy) provided a rare spring lakefront record for this formerly more common gull.

Laughing x Ring-billed Gull hybrid - Michael Topp obtained an excellent photo of an adult at Hammond Sanctuary on 5 Mar. Editors' note: The plumage appears virtually identical to a bird photographed and observed in recent years along the IN-IL state line and also of one photographed 28 Feb. at Kentucky Lake Dam (E. Huber, <u>The Kentucky Warbler</u>). One can only speculate that this is could be the same individual.



Hybrid Laughing x Ring-billed Gull, 5 March Hammond, *Lake*

photo by Michael Topp

Franklin's Gull – Individual birds were found 21 April at Miami SRA, *Wabash* and 14 May at Miller Beach, *Lake* (both J.J.McCoy), and Goose Pond 23 May (Lee Sterrenburg).

Bonaparte's Gull - A dismal spring flight was tabulated by Ken Brock. The 380 Bonies reported this year constitutes the lowest spring total since 282 were reported in 1998.

Iceland Gull – Only a couple of reports were made, as the Hammond bird was last reported in early March (Michael Topp).

Lesser Black-backed Gull – Quite rare away from Lake Michigan, an adult was found Eagle Creek, *Marion* 20 March by Terry Walsh, who is quite experienced with this species.

Glaucous Gull – Few reports came through after March 1 on Lake Michigan.

Common Tern – A maximum of 233 were located on 15 May at four lakefront sites in *Porter* and Lake (J.C. Kendall). Indiana had it best flight since 2004.

Eurasian Collared-Dove - R.P. Rang saw a flyby at Eagle Marsh to provide the first Allen Co record and J.H. Campbell observed (1) in Chandler on 28 Mar to log a first Warrick Co record. This invading species has now been recorded in 46 Indiana counties.

White-winged Dove - On 28 Apr (1) visited the West Lafayette feeder of Mark Arvin (also seen by E.M. Hopkins). This dove has now been recorded in Indiana in eight of the last ten years (Ken Brock).

Black-billed Cuckoo - A singing bird was found in Hoosier National Forest, Orange Co, on 16 Apr (Amy & Noah Kearns). This is Indiana's second earliest record, following a singleton reported in Dearborn Co on 5 April 1906.

Snowy Owl - The winter-period adult female at the Westville Correctional Facility lingered until 11 Mar (Patrick Krueger).

Chimney Swift – A conservative estimate of 1500+ Chimney Swifts was made on 9 June in the vicinity of the Hammond Marina in *Lake* (J.C. Kendall).

Ruby-throated Hummingbird - One arrived at a Monroe Co feeder on 3 Apr (*fide* Dawn Hewitt) to provide the state's third earliest arrival date. A strange looking bird visited a LaPorte Co feeding station on 15 May. Cell phone pictures taken by Dewaine S. Waal reveal a ghostly white and charcoal bird, with greenish feathers in the crown, which was similar in structure to a Ruby-Throated. Based on the photos both Allen T. Chartier and Don Gorney believe the bird is most likely a Ruby-throated (Ken Brock).



Yellow-bellied Sapsucker - On 5 Apr Brad Bumgardner counted (91) during a longshore flight at the Dunes S.P. Green Tower. This is Indiana's second highest count and is exceeded only by the (141) dead birds counted during the 1960 kill on Lake Michigan (Ken Brock). A tardy migrant (a female) was in Forsythe Park, *Lake* on 24 May (K.J.Brock).

Northern Flicker - A monstrous longshore flight of (1127) birds was recorded at the Dunes S.P. Green Tower site on 10 Apr (Brad Bumgardner, B.J. Grube, P.B. Grube, L.S. Hinchman, J.J. McCoy, & K.J.Brock). This total almost doubles the state's previous maximum of 600 (recorded at the same site by B.J. Grube on 8 April 2001).

Yellow-bellied Flycatcher - Interestingly, the first spring report occurred on 10 May, at six different Indiana locations. Observation sites ranged from State Line Woods in the extreme n.w. *Lake*, Indiana to Mounds S.P. in *Madison*.

Pileated Woodpeckers, S. Vigo Co. 16 May photo by Jim Sullivan

Great Crested Flycatcher - Indiana's third earliest arrival date was set 10 Apr when M.C. Rhodes found (1) in Ruster Park, *Marion*

Scissor-tailed Flycatcher - Andrew Hoffman (*fide* Jim Sullivan) observed an adult male perched atop power lines on the south side of Terre Haute, *Vigo* 11 May. Another was found by Gary Chupp, Leland Shaum and seen by ten more birders at Cobus Creek County Park in *Elkhart* on 30 May. This is the first spring in which more than one Scissor-tailed Flycatcher was reported in Indiana (Ken Brock). The bird was gone the following day.

Loggerhead Shrike - Marty Jones found (1) just outside Terre Haute on 3 Apr to provide the first Vigo Co record in 26 years.

White-eyed Vireo - The season total was Indiana's second highest, surpassed only by last spring's 484 (Ken Brock).

Blue Jay - A record daily count was set during a 10 May longshore flight at the Green Tower site at Dunes SP, *Porter*. In 4.25 hours 6230 jays (counted by 10s) were observed flying eastward along the dune crests (J.K. Cassady, J.C. Kendall, Brad Bumgardner, & K.J.Brock). Though the pace had slackened, the birds were still streaming past when the counters departed. This tally almost doubles the previous state maximum of 3690. Thanks to the above total and other counts by assiduous longshore flight watchers, Indiana's spring total was an astronomical 22,348. This is the highest ever by almost 10,000.

Fish Crow – This species continued its invasion this spring. On 23 Mar Evan Speck counted (12) at four Posey Co locations. Per Ken Brock, that is a new high count for Indiana and first ever March record. Gary and Lisa Bowman heard (1) in Vincennes four days later, providing Indiana's second March record. On 14 Apr Lou Gardella and Lori Brumbaugh heard (2) call in Patoka River NWR (Pike Co.), to provide the third record for this county. Tim Griffith recorded (2) at the Howell Wetland in Vanderburgh Co on 16 Apr. On 22 Apr Evan Speck reported (2) in

the mining area of NW Warrick Co and a remarkable (14) there on 12 May. L.W. Sterrenburg and Amy Kearns found (4) in Pike Co on 18 May.

Purple Martin - A record season total was punctuated by a count of (137) in seldom-birded Daviess Co 5 Apr (L.W. Sterrenburg and Amy Kearns). The latter report is the state's second highest spring tally.

Marsh Wren -A fine count of (29) was recorded at the Grant Street wetland in *Lake* on 28 May (J.K. Cassady et al.). The season total is an all-time high, barely surpassing last spring's 88 birds.

Veery - One at Eagle Slough (Vanderburgh Co) on 13 Apr (Tim Griffith and Steve Gifford) provided Indiana's fourth earliest arrival date.

Swainson's Thrush - An early arrival was heard in Floyd Co 11 Apr (seen two days later) by Tom and Colleen Becker. This report ties Indiana's third earliest spring date.

Northern Mockingbird - Perhaps as a result of higher birding activity in s.w. Indiana, the spring total of 259 was an all-time high. On 18 May L.W. Sterrenburg and Amy Kearns counted (32) in Dubois (31) and Pike (1) counties. This result is the state's second largest daily count.

Cedar Waxwing - Two significant tallies were logged during Green Tower site longshore flights: (2080) were counted by B.J. Grube on 22 May (Indiana's seventh largest count) and (1310) were tallied the previous day (J.K Cassady et al.).

"Lawrence's" Blue-winged x Golden-winged Warbler - This very rare hybrid warbler was photographed by Brad Bumgardner in the Heron Rookery on 2 May, singing a Blue-winged Song.

Tennessee Warbler - A male, photographed in the Heron Rookery, *Porter* 14 Apr (Brad Bumgardner), provided the lakefront's second earliest record, tying Indiana's fourth earliest. On the Big May Day Count (14 May) R.J. Pals and Patrick Krueger counted (56) Tennessees in the High Dunes; this is the second highest daily tally ever for the lakefront (Ken Brock).

Northern Parula Warbler - One found at Eagle Slough *Vanderburgh* 28 Mar (Tim Griffith) tied the state's second earliest spring arrival date. On 14 Apr J.H. Campbell counted (21) in *Warrick*; this total ties Indiana's fourth highest count.



Northern Parula Warbler, 10 April Southern Vigo Co.

photo by Jim Sullivan

Yellow-rumped Warbler - On 27 Apr Sam Plew reported an "Audubon's" Yellow-rumped at the Richard and Mary Culp Nature Reserve in *LaGrange*. This may be an Indiana first, as Ken Brock could not locate any previous records of this subspecies in Indiana. The season total is a record. A state record daily count was logged 26 Apr during a morning longshore flight at the Green Tower site. Brad Bumgardner conducted a careful count (counting by ones) and tallied a total of (2857) migrants. Yellow-rumpeds began to move at 8:00AM and by 11:00AM the flight had stopped. During the flight peak there was an almost continuous passage of loose flocks of 15-25 birds (Brad Bumgardner & K.J. Brock).

Black-throated Green Warbler - One that appeared at Scales Lake Park in *Warrick* 3 Apr (J.H. Campbell), tied Indiana's second earliest spring arrival date.

Kirtland's Warbler - On count day (14 May) Sue Ulrich observed (1) for 4-5 minutes from 12 feet. This is Indiana's first record in five years and the eleventh record overall (Ken Brock).

Blackpoll Warbler - One seen in the Lake Gibson area 23 Apr (E.M. Hopkins) provided Indiana's fourth earliest arrival date.



Male Cerulean Warbler, Dunes SP, *Porter* 10 May.

This bird, found by Brad Bumgardner, sang a buzzy, abbreviated song deemed to be reminiscent of Golden-winged Warbler.

photo by John Cassady

Cerulean Warbler - A singing bird, seen at Eagle Slough in *Vanderburgh* 13 Apr (Tim Griffith and Steve Gifford) tied the state's third earliest spring date.

Prothonotary Warbler - On a 29 May canoe trip down the East Fork White River from Bedford to Williams (Lawrence Co) Amy & Noah Kearns counted 56, which is Indiana's second highest count.

Worm-eating Warbler - Dan Leach counted (16) in the n.e. corner of Lawrence Co on the 14 May Big May Count. This tally ties the state's largest daily count.

Kentucky Warbler - One in the Tecumseh area of *Warrick* on 14 Apr (J.H. Campbell) provided the state's second earliest arrival date.

Hooded Warbler - One found in Ruster Park (Indianapolis) 10 Apr (M.C. Rhodes) tied the state's second earliest arrival date.

Summer Tanager - An early arriving male in Fort Wayne, *Allen* 20 Apr (Dedra Gerard) tied Indiana's ninth earliest spring arrival date. R.P. Rang confirmed the identification the following day. The 205 reported this spring is a record (by one bird), as 204 were reported last year (Ken Brock).

Le Conte's Sparrow - J.J. McCoy found (1) in the Hammond Sanctuary, *Lake* on 6 May for Indiana's only report.

Nelson's Sparrow – This species went unreported for the fourth spring in a row.

Fox Sparrow - The season total of 404 is an all-time high for the spring flight (Ken Brock). The peak count was (30) at Eagle Creek Park on 27 Mar (Larry Peavler).

Harris's Sparrow - A first-year bird was photographed by Rodney Strayer 28 Apr just outside Merry Lea, *Elkhart* by Rodney Strayer.

Lapland Longspur - A molting pair, seen in the L. Gibson area 17 May (C.E. Mills), provided Indiana's latest modern spring record. The only later report involved a specimen collected in Hammond on 14 June 1889. A fine 17 Mar longshore flight at the Dunes S.P. Green Tower site yielded a lakefront record (2270) birds (J.J. McCoy & B.J. Grube). This tally is also Indiana's fifth largest count (Ken Brock).

Smith's Longspur - Larry Peavler et al. logged an impressive (350) at The Burn, *Montgomery* on 31 Mar. This count, Indiana's third largest, contributed to a record season with 1100 reported, including 50 at The Burn, *Montgomery* (Clint Murray, ide Alan Bruner). Three flew past the Green Tower site on 30 Apr (J.J. McCoy) to provide the lakefront's 12th record.

Blue Grosbeak - One on Millersburg Rd. in *Warrick* on 18 Apr (J.H. Campbell) constituted Indiana's third earliest arrival date. An extra-limital singing male was found in *Allen* on 19 May (R.P. Rang). This is that county's fourth record and only the sixth report for n.e. Indiana (Ken Brock).

Western Meadowlark – Two single birds were located on territory; one at Pine Creek GBHA, beginning 4 April *Benton* (Ed Hopkins), and one at Kankakee Sands beginning 29 April (J.J.McCoy), with (2) found there on on 29 April.

Yellow-headed Blackbird – For the first time in years, there were several reports. An adult male was discovered and photographed at the Lebanon Business Park marsh on 17 Apr (R.L. Hedge & Cloyce Hedge). It lingered through the following day and was seen by many additional observers. Quite rare in the High Dunes, an adult male that flew past the Dunes S.P. Green Tower site on 23 Apr (B.J. Grube & Brad Bumgardner), is most noteworthy. A first site record, Penny Starin found a second male for yet another first site record at McCool Basin, *Porter* on 7 May. Most remarkable was a lingering pair at Grant St. wetland, first seen 13 May (J.J. McCoy). The male was still present 1 June (m. ob.).

Orchard Oriole - A count of (24) on the Lawrence County Big May Count (Amy & Noah Kearns) tied Indiana's second highest daily count (Ken Brock).

Baltimore Oriole - A 7 May longshore flight at the Green Tower site yielded (239) birds in 2.5 hours. This is the state's third largest count (Ken Brock).

Common Redpoll – There was a single report, the first individual reported in two years-a single bird in Fort Wayne, *Allen* on 6 March (Don & Marty Ryan, fide Casey Ryan).

Pine Siskin – Siskins turned up in somewhat surprising numbers at 405, following the meager numbers recorded this past winter. The season's peak count occurred 9 Mar when Patrick Krueger logged (40) at Westville feeder.



RESULTS OF THE INDIANA 2010-2011 CHRISTMAS BIRD COUNT Gary and Lisa Bowman, 2805 Prospect Ave., Vincennes, IN 47591

The 2010-2011 Indiana Christmas Bird Count was conducted between the now standardized dates of 14 December 2010 and 5 January 2011. This year 51 counts were conducted. This is an increase of two over the last three years. In addition, one count was held before the official counting period and therefore could not be used for data purposes. All counts scheduled this year were held. One new count, which we welcome, was held this year. That was Indiana Dunes West.

Weather conditions varied during the count period as usual. The weather immediately preceding the count period was very cold throughout the whole area and snowy in some areas. By mid-week of the first week of count, the temperatures were already nearing zero Fahrenheit. Although the weather moderated some after the first week of the counts, the temperatures continued to remain below normal. Virtually all creeks, ponds, and ditches were frozen and many lakes were as well. By the end of December, temperatures had warmed quite a bit but January 1st brought very windy conditions with Adams County, Elkhart, Muscatatuck NWR, Sullivan County, and Willow Slough all reporting over 20 mile per hour winds and Muscatatuck and Willow Sough actually 30 mph or greater. The Whitewater State Park and Goose Pond counts shared the Cold Spot award with +2 degree temperatures. The Hot Spot was Sullivan County with recorded a downright balmy 61 degrees. Interestingly, Sullivan was the Low Spot last year with +1 degree. Again, as last year, thirty-three counts reported snow cover. The most cover this year was 6 to 10 inches at Indiana Dunes. Only nine counts reported precipitation during the day. Muscatatuck with 0.8 inches and Posey County with 1 inch were the wettest. Only eight counts this year had totally frozen lakes and ponds

There was a decrease in all categories of observation effort this year. That decrease may be due to inclement weather on some counts. This year's total of field observers of 815 is 49 less

than last year but still over 70 more than two years ago. The number of hours teams spent in the field decreased from the previous year by just seventeen hours. Teams spent 1,980.7 hours walking, driving, biking or boating. Likewise, the miles that teams covered decreased. This year, teams covered 12,692.36 miles. This was over a 700 mile decrease from last year but still much higher than two years ago. The number of feeder watchers was an identical 124, as compared to last year. They watched for a decreased total of 260 hours.

668,477 birds were identified on count days. Another 7,178 were identified as to family or group but not to species. A total of 144 species were recorded on count days; plus non-countable Trumpeter Swans, Whooping Cranes, Graylag Goose, one Muscovy duck and a few hybrid Mallards. This is six species less than the number recorded last year. In addition to the 114 count day species, Varied Thrush, Black-legged Kittiwake, and Western Grebe were reported count week but not on count day. The lower species total reflects the absence of any unexpected waders, shorebirds, wrens, warblers, or hummingbirds that we have been able to record the last several years. A total of 6 Whooping Cranes were reported. Twenty-five Trumpeter Swans were seen with most, as usual, at Newport. The count added no new Indiana CBC species again this year although the count week Slaty-backed Gull that showed up in the Calumet-Sand Ridge count circle would have made for a very nice addition. For the fourth straight year, Indigo Bunting was reported; this time at Richmond. For only the fourth time, a Varied Thrush was seen on an Indiana CBC but this time it was for count week only. This one was seen in the Big Oaks count area. For the first time in five years, no American Bittern showed up. Harlequin Duck was present for the fourth year in the last six.

As usual, this year's species numbers compared with last year is quite likely affected greatly by weather conditions both on count days and days preceding counts. Goose numbers all increased except Cackling. Mute Swan numbers were up but Tundra Swan numbers were down. Duck numbers were mainly down and in some cases down drastically but a few species showed increased numbers. Loons and grebes were down. Black Vulture numbers were up after a drop last year but Turkey Vulture numbers were down markedly. Bald Eagle numbers went back above the 200 level after a drop last year and reached a record high of 229. The eight Golden Eagles reported was the average for the last two previous years. Accipiter numbers were mixed while Buteo numbers were all up. Falcon numbers were up except for a decrease in American Kestrels. Gull numbers were mixed. The more expected gulls; Bonaparte's, Ring-billed, and Herring; were all down but the more unusual gulls; Thayer's, Iceland, Lesser Black-backed, Glaucous, and Great Black-backed; were all up. Plus, of course, there was the count week Slatybacked Gull. Eurasian Collared-Dove continued its increases by doubling last year's count with 53 this year after a big drop last year which was most likely weather related. Owl numbers for the most part were down. Woodpecker numbers pretty much stayed the same or increased slightly with the exception of Yellow-bellied Sapsucker which almost tripled its numbers from last year. Corvids were mixed. Chickadees, titmice, and nuthatches held their own or were up with Red-breasted Nuthatches up greatly. Creepers and all wrens were down or absent but kinglets were up. A couple unexpected thrushes were reported; a documented Swainson's Thrush at Lake Monroe as well as the fore-mentioned Varied Thrush. The Mimidae family represented itself well with one count day and one count week Gray Catbird, 378 Northern Mockingbirds, and six Brown Thrashers. After a large increase last year, pipit numbers were way down this year while waxwing numbers rebounded. Both were reversals of changes last year. Sparrow numbers were mixed. Snow Bunting numbers rebounded from their 75 percent

drop last year increasing six-fold. Blackbird numbers were up except for grackles and cowbirds. Rusty Blackbirds tripled. Finch numbers were all up except for goldfinches.

For the fourth year in a row now, Goose Pond led all counts in the number of species recorded. Its total this year was 103 plus non-countable Whooping Cranes. Again, as last year, that was the only count to tally one hundred species this year. Western Gibson for the second year in a row both tallied 95 species and finished second. The Lake Monroe count was the only other to have at least 90 species. They were in third place with 91. Seven counts tallied in the eighties this year. The count species average of 61.86 was very slightly higher than last year's 61.71 average. The median was 63 this year, up from 62 last year.

The state map shows the location of each count circle. There are still areas of the state that are not covered by any counts.

We continue to encourage submission of pictures in jpeg format of any birds or birders and activities during Christmas counts. Please, keep this in mind for the 2011-2012 count.

The COUNT CIRCLES section gives information on the species total and total bird numbers seen on the count as well as any birds seen count week only, any documentations and other information the count compiler brought to our attention such as species high or low counts or new species to their count as well as listing the name of the compiler and the names of participants in the count except when the compiler requested that we not publish participant names or when we were unable to obtain them. This is also the section in which we report any exotics. Even though not countable, please report them so that we can include them in the article for archival purposes.

The data tables show species information as well as participant numbers, miles covered, time spent, and weather conditions encountered. This is similar to how it was presented in the past. In a few cases, when we were unable to obtain data, "ns" is marked for "not submitted". Because of this, the total in the tables this year for hours on foot, by boat/bike, and by car does not equal the total party hours. The same applies for miles. Hopefully this will be a one-time only occurrence.

Thanks to all of the compilers and observers for their work in making this compilation possible. Thanks also to all of the observers who submitted their documentations of their unusual birds. The report forms downloadable on the Indiana Audubon web site in the winter show which species need to be fully documented or briefly detailed explaining how the identification was determined. When you are in doubt as to whether a bird needs to be documented and detailed or not, please, always do. It makes evaluation much easier and is archived for future reference. Thanks also to National Audubon Society's state editor, John Cassady, for his assistance in acquiring some of the documentations. And thanks to Geoff LeBaron of the National Audubon Society for sending us partial reports of three that we had been unable to obtain.

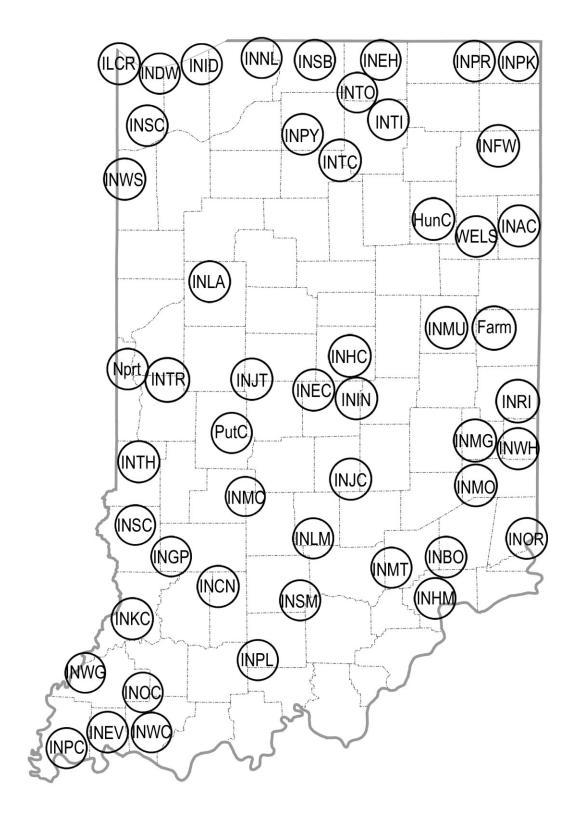


Figure 1 20010-2011 Indiana CBC Map



Figure 2. Vesper Sparrow, Goose Pond CBC, 15 Dec. 2010 photo by Rob Ripma



Figure 3. Pomarine Jaeger, Indiana Dunes CBC, 18 Dec. photo by J.C. Kendall



Fig. 4. Red-headed Woodpecker, Oldenburg CBC, 1 Jan. 2011 photo by Paul Wauligman

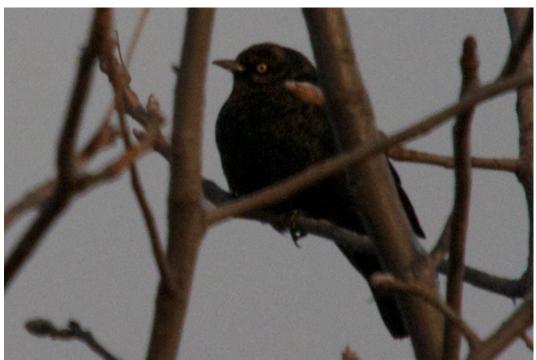


Figure 5. Rusty Blackbird – Western Gibson CBC, 19 December 2010 Photo by Evan Speck



Figure 6. Harris's Sparrow, Lake Monroe CBC, 18 Dec. 2010 Photo by Susan Hengeveld



Figure 7. Sullivan County CBC Participants

Photo by Michael Brown

Figure 7. Participants at lunch break – Sullivan County CBC, 31 December 2010 Front row left to right: Michael Brown, Marty Jones, Don Gorney, Steve Lima Back row left to right: George Sly, Joe Dickson, Lee Sterrenburg, Peter Scott, Janet Creamer

Count Circles

1) Adams County (INAC):

Species: 34 Individuals: 2,520 Compiler: Larry Parker **Observers:** Dorothy Moser, Earlene Moser, Jerry Moser, Rose Moser, Jerry Parker, Larry Parker, Charles Oswalt, Ruth Oswalt

2) Big Oaks NWR (INBO):

Species: 47 plus Black Vulture, Belted Kingfisher, Hermit Thrush, and Varied Thrush seen count week. **Individuals: 1,249** Details on Varied Thrush and Peregrine Falcon. Photos of Peregrine Falcon **Compiler:** Joe Robb **Observers:** Beth Black, Stephanie Black, Kim Brinson, Ashley Buchanan, Mary Kay Butler, Daniel Butler, Todd Gerardot, Jessica Gray, Kate Gray, Kavan Gray, Daryl Karns, Joe Robb, Walt Seeds, Pat Stack, Gary Stegner, Perry Williams, Hilliary Williams

3) Calumet-Sand Ridge (ILCR):

Species: 63 plus count week White-winged Scoter, Black Scoter, Slaty-backed Gull, Northern Shrike, American Pipit, Cedar Waxwing, and Lapland Longspur **Individuals:** 2,615 **Compiler:** Bob Harrison **Observers:** Anne Bawinkel, Janet Brezene, Marcella Ciucki, Gene Cole, Dorothy Kaluf, Nancy Koselke, Carolyn Marsh, Barbara Meeker, Linda Strange, Pat Strange, Jim Sweeney Note: totals are for the Indiana portion of the count only

4) Crane Naval Weapons Support Center (INCN):

Species: 55 plus 6 non-countable Trumpeter Swans Individuals: 2,393 Compiler: Harmon P

Weeks

Observers: Anthony Sipes (the only name listed)

5) Eagle Creek Valley (INEC):

Species: 67 Individuals: 10,613 Compiler: Karen La Mere Observers: Sue Arnold, Ken Badger, Lou Anne Barringer, Lyn Berling, Craig Broeking, Chris Burris, Michelle Cloud, June DeLong, Lorna Drummond, Scott Enochs, Kathy Feldman, Roger Hedge, Steve Housefield, Bill Hummel, Lindsey Hummel, Barb Jablonski, Paul Jablonski, Karen La Mere, Don McCarty, Donna McCarty, Jim McGinity, Cindy Meyer, Ted Meyer, John Munshower, Marcia Munshower, John Pankhurst, Roxanne Pannell, Debbie Patrick, Randy Patrick, Larry Peavler, Reta Rutledge, Spike Selig, Laura Sexson, Doug Sherow, Greg Steffan, Barry Stern, Judy Stern, John Sumner, Nancy Tikijian, Candace Ulmer, John Ulmer, Mike Vendely, Laurie Voss, Bill Wagner, Janet Wagner, Leslie Warner, Michael White, Don Williams, Betsy Wilson

6) Elkhart County (INEH):

Species: 81 Individuals: 14,893 Peregrine Falcon and Ross's Goose documented Compiler: Ronda DeCaire Observers: Jim Bare, Trice Berkley, Kim Boulton, Aimee Bjornstad, Andrew Bontrager, Dennis Bontrager, Myron Bontrager, Tim Cataldo, Gary Chupp, John Davis, Ronda DeCaire and family, Mary Beth Dickey, Glen Dyksen, Judy Ferrell, Dwight Fish, Larry Ford, Missy Grose, Ben Grossman, Lindsay Grossman, Tom Grubaugh, Becky Gute, Elaine Harley, John Harley, Marilyn Horvath, Janeen Johnson, Gary Keister, Melissa Kinsey, Craig Kirkwood, Evie Kirkwood, Nancy Kitson, Merlin Lehman, Shirely Leinbach, Kerri Lyle, Mary Martin, Marcus Miller, Perry Miller, Scott Namestnik, Suzy O'Donnell, Al Peachy, Marlene Pratt, Don Presser, Kelly Regier, Lois Rhodes, Susan Rowe, Kestin Schulz, Leland Shaum, David Stenberg, Dan Stoltzfus, Levi Lee Troyer and sons, Ray Troyer, Anne Turnock, Jack Turnock, Teri Wiley, Enos Yoder, Jason Yoder, Leon Yoder, Monica Yoder, Perry Yoder, Ron Yoder, Verda Yoder, Robert Zoller, Wanda Zollar

7) Evansville (INEV):

Species: 73 plus non-countable Muscovy Duck **Individuals: 22,215 Compiler:** Brian Taylor **Field Observers:** David Ayer, Carolyn Barron, Carolyn Bennett, Jim Bratt, Dan Collins, Ron Crawford, Mark Dominick, Greg Gordon, Tim Griffith, Grant Hartman, Delores Heeger, Steve Heeger, Nancy Hitch, Ted Hitch, Dave Hodges, Lisa Hoffman, Al Langen, Chris Langen, Philip Lax, Mel Lodato, John Meredig, Bob Meier, Marica Onnybecker, Carol Pettys, Jason Reffett, Steve Rose, Art Schroeder, Ryan Slack, Kathi Solecki, Evan Speck, Marilyn Swonder, Brian Taylor, Josie Taylor, Dawn York

8) Farmland (Farm):

Species: 34 Individuals: 3,435 Compiler: Connie Howell **Observers:**, Connie Howell, Nina Howell, Stephen Howell, Tom Howell, Kay Ulrey

9) Fort Wayne (INFW):

Species: 53 plus Sharp-shinned Hawk, Carolina Chickadee, Eastern Towhee, Red-winded Blackbird, Common Grackle were seen count week Individuals: 5460 Carolina Chickadees detailed. Compiler: Jim Haw Observers: Sr. Mary Joan Ginsterbaum, Terri Gorney, Jim Haw, Frannie Headings, Ted Heemstra, Valerie Pelz, Cynthia Powers, Ed Powers, Rodger Rang, Casey Ryan, Don Ryan, Steve Sarratore, Sandy Schacht, Carole Smith, Ryan Smith, Ann Walton, Bob Walton, Galen Yordy

10) Goose Pond (INGP):

Species 103 Plus a Cedar Waxwing that was seen during count week as well as 2 non-countable Whooping Cranes count day Individuals: 77,988 Cackling Goose, Ross's Goose, Golden Eagle, Northern Shrike, Chipping Sparrow, Brewer's Blackbird were either detailed or documented. Photo of Vesper Sparrow Compiler: Lee Sterrenburg Observers: Don Allen, Bill Barnes, Jonathan Bauer, Sandy Belth, Adam Beteul, Gary Bowman, Lisa Bowman, Ross Brittain, Jim Brown, Mike Clarke, Derek Coomer, Janet Creamer, David Daniels, Bob Dodd, Jerry Downs, Brad Feaster, Steve Gilstrap, Don Gorney, Terri Greene, Jess Gwinn, Roger Hedge, Jim Hengeveld, Susan Hengeveld, Ross Hill, Bill Holladay, Steve Housefield, Amy Kearns, Bob Kissel, Gary Langell, Chuck Mills, Jim Mitchell, Linda Oblack, Larry Peavler, Eric Ripma, Rob Ripma, Sally Roth, George Sly, Evan Speck, Lee Sterrenburg, Don Whitehead, Chad Willaims

11) Hamilton County (INHC):

Species: 50 Individuals: 3,229 Compiler: Art Jeffries Observers: Ken Badger, Roberta Badger, Terry Bellenger, Lou Anne Barriger, Marilyn Berling, Jeff Canada, Gordon Chastain, June Delong, Debbie Eberly, Norman Eden, Beth Eikenberry, Lynn Eikenberry, Scott Enochs, Kathy Feldman, Judy Fredrick, Ellie Hopkins, Art Jeffries, Nick Keihl, Debra Lloyd, Becky Lomax-Sumner, Kathryn Mascaro, Rhonda McCammack, Cindy Meyer, Ted Meyer, Don Miketa, Nancy Myers, Polly Nicely, Greg Osland, Larry Peavler, Dan Popiela, Eric Ripma, Chandler Roberts, Michelle Roberts, Keith Starling, Shannon Stewart, John Sumner, Janet Tuten, Mike Vendely, Leslie Warner, Richard Wiesler, Martin Williams

12) Hanover-Madison (INHM):

Species: 50 plus Peregrine Falcon seen count week. The count recorded their first Redhead which was documented. Individuals: 2,331 Compiler: Dick Davis Observers: David Atkinson, Kevin Carlson, Paul Carmony, David Cassel, Dick Davis, Matt Demaree, Bill Hulsmann, Jill Hulsmann, Randy Inglis, Tina Jones, Kim Kirchner, Sally Lacy, Hal Madison, Joan Madison, Bill Poindexter Feeder Watchers: Mary Clashman, Marcella Modisett

13) Huntington County (HunC):

Species: 31 plus count week Horned Lark Individuals: 1,795 Compiler: Ellen Eppard Observers: Ellen Eppard, Betty Wallace

14) Indiana Dunes National Lakeshore (INID):

Species: 87 plus Gadwall, Canvasback, Western Grebe, Bald Eagle, Black-legged Kittiwake, Brown Thrasher, and Fox Sparrow seen count week and non-countable Greylag Goose seen count day **Individuals: 11,421** Pomarine Jaeger was documented and photos were taken. **Compiler:** Brad Bumgardner **Observers:** Alan Anderson, Rob Albrecht-Mallinger, Bobbie

Asher, Aaron Boone, Ken Brock, Brad Bumgardner, John Cassady, Tim Cole, Mary Ann Crayton, Carol Fialkowski, Conrad Fialkowski, Sean Fitzgerald, Bummer Gacsko, Donna Gonalez, Brendon Grube, Phyllis Jacobs, Matt Kalwasinski, John C. Kendall, Ron Klingensmith, Richard Knutson, Bernie Konrady, Lynda Landcaster, Eric Lunquist, John McDonnell, Don Mohar, Peg Mohar, Cora Sue Nicholas, Randy Pals, Richard Pixler, Mark Ranfranz, Nancy Reiter, Chuck Roth, Tracy Spurgeon, James Starin, Penny Starin, Chris Van Wassenhove, Jim Zervos, Tracy Zervos

15) Indiana Dunes West (INDW):

Species: 26 Individuals: 548 Compiler: Christine Gerlach Observers: Lynda Lancaster, Robert Langele, Sandy O"Brien, Tim Violette

16) Indianapolis Northeast (ININ):

Species: 64 Individuals: 8,679 Chipping Sparrow details were submitted. Compiler: John Schaust Field Observers: Adam Barnes, Linda Bishop, Mike Bishop, Cliff Chapman, Brian Cunningham, Tracy Duncan, Bill Feltz, Debbie Feltz, Dave Fox, Don Gorney, Mary Hayes, Jeanette Holland, Jack Levy, Andrew Mertz, Cheryl Miller, Mike Molnar, John Schaust, Anne Sharp, Dave Strickland, Susan Strickland, Kevin Strunk

17) Jamestown (INJT):

Species: 46 plus Red-breasted Nuthatch count week **Individuals: 2,973 Compiler:** Roger Hedge **Observers:** Frank Drumwright, Peggy Harger-Allen, Cloyce Hedge, Roger Hedge, Mike Homoya, Wes Homoya, Steve Housefield, Rick Martin

18) Johnson County (INJC):

Species: 66 Individuals: 5,287 Northern Shrike documented Compiler: Mike Clay Observers: Mike Clay, Ann Deutch, Tom Hougham, Art Howard, Karen Lunsford, James Mitchell, Barb Otte, Karen Wade, Mike Wade, Don Whitehead

19) Knox County (INKC):

Species: 75 plus American Black Duck and Rough-legged Hawk seen count week Individuals: 30,326 The one new species added to the count was Rusty Blackbird Compiler: Gary Bowman Observers: Gary Bowman, Lisa Bowman, Adam Cronk, Tom Cronk, Mark Crowley, Stacy Dodson, Rene LaMontagna, Kenny Neighbors, Pat Neighbors, Jane Nowaskie, Steve Nowaskie, Judy Runkel, Betty Schuur, Dave Schuur, Julie St John, David Staver, Lee Sterrenburg, Becky Turner. Feeder watchers were Nancy Anderson, Judy Harrison, Jon Herr, Joni Herr.

20) Lafayette (INLA):

Species: 83 plus Red-shouldered Hawk and Gray Catbird seen count week Individuals: 30,124 Blue-winged Teal and Brower's Blackbird documented Compiler: Ed Hopkins Observers: not submitted

21) Lake Monroe (INLM):

Species: 91 Individuals: 9,085 Documented Swainson's Thrush Compiler: Jim Hengeveld Co-compiler Susan Hengeveld Observers: Don Allen, Robert Barber, Jonathan Bauer, Carolyn Begley, Jeffrey Belth, Sandy Belth, Ben Branson, Judith Brennan, Jim Brown, Fred Churchill, Mike Clarke, Derek Coomer, Dave Crouch, Sally Crouch, Jiri Dadok, David Daniels, Jason Dicks, Bob Dodd, Jerry Downs, Milt DuCharme, Steve Dunbar, Andy Durkin,, Julia Ferguson, Phil Ferguson, Christian Freitag, Steve Gilstrap, Spencer Goehl, Jim Goodson, Philippa Guthrie, Jess Gwinn, Don Hall, Jim Hengeveld, Susan Hengeveld, Dawn Hewitt, Bill Holladay, Jeremy James, Joanne Kelly, Phil Kelly, John Lawrence, Dan Leach, Margaret Londergan, Bill Lorton, Nancy Martin, James Mitchell, Diane Port, Robert Port, Jen Richardson, Jeff Riegel, Greg Simon, Lee Sterrenburg, Rod Suthers, Alex Tandford, Philippa Tanford, Isabel Vernaza, Don Whitehead

22) Mary Gray Sanctuary (INMG):

Species: 37 Individuals: 693 Compiler: Carl Wilms **Observers:** Tim Keller, Pam Keller, Bill Herrmann, Pam Herrmann

23) McCormick's Creek State Park (INMC):

Species: 67 Individuals: 5,322 Compiler: Sandy Belth **Observers:** Sandy Belth, Ross Brittain, Jeanie Cox, Milt DuCharme, Jess Gwinn, Jo Hargeshimer, Dawn Hewitt, Bill Holladay, Bob Kissel, Bill Lorton, Cathy Meyer, James Mitchell, Joan Tenhoor

24) Michaela Farm/Oldenburg (INMO):

Species: 51 Individuals: 3,836 photos of Red-headed Woodpecker were sent Compiler: Wayne Wauligman Observers: Ben Cooley, Kathy Cooley, Ted Cooley, Chris Fox, Tracy Fox, Ned Keller, John Krieger, Synda Lowe, Kathy McDonald, Jeff Meadows, Joan Miller OSF, John T. Moore, Ann Marie Quinn OSF, Donna Prickel OSF, Deborah Reynolds, Pat Riley, Mary Robertson, Mike Robertson, Paul Selkirk, Charmian Seright, Wayne Wauligman, Jeff Wilson, Lucas Wilson

25) Muncie (INMU):

Species: 38 plus Mute Swan, Cooper's Hawk, American Coot, Belted Kingfisher, Eastern Towhee, White-throated Sparrow, and Pine Siskin seen count week **Individuals: 4,279 Compiler:** Bill Grummer **Observers:** Bill Grummer, Martha Hunt, Charlie Mason, Barb Stedman, Jean Ulman, Jennifer Wagner

26) Muscatatuck National Wildlife Refuge (INMT):

Species: 60 plus 4 non-countable Whooping Cranes Individuals: 2,681 Compiler: Donna Stanley Observers: Robert Barber, Erich Baumdardner, Tom Becker, David Carr, Mike Laay, Colleen Craven-Becker, Gary Dorman Sr, Gary Dorman, Nancy Dorman, Rebecca Dorman, Theresa Fultz, Steve Gilstrap, Jerry Lippert, Mar Sue McCalla, Jeff Riegel, Matt Stenger, Travis Stoelting

27) Newport (Nwpt): Species: **70** plus non-countable 18 Trumpeter Swans Individuals: **8,170** Compiler: Alan Bruner Observers: Alan Bruner, Phil Cox, Karen Henman, Marty Jones, Steve Lima, Peter Scott, Patsy Steffen, Ron Weiss

28) Northeast LaPorte County (INNL):

Species: 46 Individuals: 6,077 Compiler: Dennis Richardson **Observers:** Susan Bagby, Margaret Carson, Rose Deutcher, Dick Glassman, Pat Janz, Steve Laue, Pennie Lombard, Virginia Martin, Elizabeth McCloskey, Dennis Richardson, Frances Sipocz-Richardson, Jim Simon, Allen Warren, Joan Wisnieski

29) Oakland City (INOC): Species: 82 plus Bald Eagle and Bonaparte's Gull during count week **Individuals: 19,465** Three new species Greater White-fronted Goose, Ross's Goose, and Winter Wren were added to the count. In addition species High Counts for their circle were established including Cackling Goose, Bald Eagle, Eastern Screech-Owl, Great Horned Owl, Yellow-rumped Warbler, and Common Grackle. **Compiler:** Dan Collins **Observers:** David Ayer, Dan Collins, Ben Fritz, Nancy Gehlhausen, Travis Harris, L.D. Harry, Charles Mills, Marietta Smith, Evan Speck, Brian Taylor, Montana Taylor, Josie Taylor, Richard Vernier, Sue Vernier, Vicky Whitaker

30) Ohio River (INOR):

Species: 84 plus Cackling Goose and Lesser Scaup seen count week Individuals: 22,367 Compiler: Paul Wharton Observers: Joe Bens, Tom Czubek, Bobby Foppe, Darlene Graham, Mark Gilsdorf, Ned Keller, Jack Stenger, Jim Stinchcomb, Paul Wharton

31) Patoka Lake (INPL):

Species: 79 Individuals: 6,451 Compiler: John Castrale **Observers:** David Ayer, John Castrale, Mike Clarke, Howard Detweller, Steven Gilstrap, Jim Hengeveld, Susan Hengeveld, Dave Howell, Robert Kissel, Dan Leach, Chuck Mills, Keegan Ramey, Lee Sterrenburg

32) Pigeon River Fish and Wildlife (INPR):

Species: 53 plus Red-shouldered Hawk, Cedar Waxwing, Purple Finch, and Pine Siskin seen count week **Individuals: 4,772** Eurasian Collared-Dove detailed **Compiler:** Gary Tieben **Observers:** Richard Cooney, Chad Harber, Louis Harber, Jim Haw, Ted Heemstra, Christine Hurley, Peter Hurley, Richard Hurley, Sandy Schadt, Gary Tieben

33) Plymouth (INPY):

Species: 58 Individuals: 2,821 Compiler: Matthew Enos **Observers:** Eden Augustine, John Chapman, Chistine Collier, Diane Hays, Michael Hooker, Thomas Leggett

34) Pokagon State Park (INPK):

Speceies: 64 Individuals: 7,667 Photo of Virginia Rail and Northern Shrike. Wilson's Snipe was documented **Compiler:** Fred Wooley **Observers:** Rindi Baildon, Marjorie Blackburn, Brad Bumgardner, Jim Haw, Laura Jaicomo, Mike Jaicomo, Maggie Jaicomo, Dan Klopfenstein, Jacob Lothamer, Lance Lothamer, Diana Lutz, Paul McAfee, Jeff McCoy, Holly Meyers, Cynthia Powers, Ed Powers, Graham Rowe-Bultinck, Sandy Schacht, John Schaust, Sue Treesh, Fred Wooley, Fred Zilch, Darci Zolman

35) Posey County INPC):

Species: 68 Individuals: 70,952 Compiler: Brain Taylor Observers: Jim Bandoli, Patricia Burden, Larry Caldwell, Travis Harris, Al Langen, Chris Langen, Nick Langen, Ann McDonald,

John Meredig, Marcia Onnybecker, Vivian Ruff, Sharon Sorenson, Brian Taylor, Josie Taylor, Chuck Watson, Mary Ann Watson

36) Putnam County (PutC):

Species: 48 plus Cedar Waxwing and Golden-crowned Kinglet seen count week **Individuals: 3,345 Compiler:** Jerome Rud **Observers:** Judy Aikman, James Gammon, Betty Graffis, Tom Graffis, Clint Maddox, Dana Maddox, Whitney Morrill, Roxanne Pannell, Emily Poor, Jim Poor, Jerry Rud, Lynne Tweedie, Don Williams

37) Richmond (INRI):

Species: 62 plus Common Grackle and Brown-headed Cowbird seen count week **Individuals: 6,782** Good details Brown Thrasher, Indigo Bunting and Chipping Sparrow **Compiler:** Jim Seaney **Observers:** Bill Buskirk, John Moore, Phoebe Oaks, Wendy Tori, Jim Seaney, Ron Williams

38) South Bend (INSB):

Species: 69 Individuals: 8,918 Compiler: Victor Riemenschnieder Observers: Alice Bently, John Bently, Dan Brazo, Louise Fessenden, Dick Fessenden, Robert Fessenden, Laura Fuderer, Marcie Inman, Craig Kirkwood, Evie Kirkwood, Bob Leliaert, Linda Leliaert, Abigail Lima, Sam Lima, Kathy Malloney, Dan Mauro, Brian Miller, Scott Namestnik, Beth Riches, Marge Riemenschneider, Vic Riemenschneider, Sarah Sass, Steve Sass, Paul Scherer, Joan Tweedell, Lynn Vernon

39) Southern Lake County (INSC):

Species: 38 Individuals: 1,882 Compiler: Barb Dodge and Chris Salberg **Observers:** Fran Bascom, Barb Dodge, Barb Lucas, Gayle MacBride, Jeff Manes, Linda McGinnis, Marti Pizzini, Chris Salsberg, Jim Sweeney Feeder Watchers: Darcy Petyko, Sandy Stropky, Bird Groet

40) Spring Mill State Park (INSM):

Species: 79 plus Wilson's Snipe and Northern Shrike seen count week Individuals: 6,291 details received for Merlin, Golden Eagle, Black Vulture, Eurasian Collared-Dove, and Barn Owl. American Pipit was new to the count. Compiler: John Castrale Observers: Bob Ball, Bob Barber, John Castrale, Howard Detweiler, Steven Gilstrap, Jess Gwinn, Amy Kearns, Noah Kearns, Dan Leach, Cathy Meyer, Joan Middendorf

41) Sullivan County (INSU):

Species: 86 Individuals: 69,400 details were given for Cackling Goose and Merlin. Compiler: Michael Brown Observers: Michael Brown, Joe Dickson, Steve Kuntz, Steve Lima, Peter Scott, Lee Sterrenburg

42) Terre Haute (INTH):

Species: 87 plus Cackling Goose, Mute Swan, and Peregrine Falcon seen count week **Individuals: 36,032 Compiler:** Peter Scott **Observers:** Michelle Baird, George Bakken, Laura Bakken, Adam Betuel, Jenny Bodwell, Dick Bonness, Michael Brown, Jennie Carr, Jane Chestnut, Jane Creedon, Susie Dewey, Joe Dickson, Mary Beth Eberwein, Cathy Frakes, Mike Gerringer, John Haag, Marty Jones, Scott Kidder, Vanessa Kinney, Steven Lima, Brenda

Milliren, Phil Milliren, Andy Prothero, Denise Prothero, Joy Sacopulos, Mike Sacopulos, Jeff Schaffer, Peter Scott, Dave Stanley, Jim Sullivan, Henry Tamar, Margaret Tamar, Dan Weber

43) Tippecanoe (INTI):

Species: 68 Individuals: 5,653 plus 3 Mallard hybrids seen **Compiler:** David Hicks **Observers:** Margit Codispoti, Al Crist, Beth Deimling, Constance Doud, Steve Doud, Steve Hammer, Dave Hicks, Joel Hogle, Shane Hogle, Deborah Hustin, Casey Jones, Bruce Ruisard, Jim Townsend

44) Topeka (INTO):

Species: 55 Individuals: 13,368 Compiler: Daniel Stoltzfus Observers: not submitted

45) Tri-County Rochester (INTC):

Species: 37 Individuals: 1020 Compiler: Thomas Leggett **Observers:** Larry Beeson, Bryce Fisher, Mark Fisher, Kurt Garner, Mark Gidley, Margaret Jurkewicz, Jeffrey Klinefelter, Michael Stephan, Lynne Utter

46) Turkey Run State Park (INTR):

Species: 67 Individuals: 5,115 Compiler: Alan Bruner **Observers:** Alan Bruner, Travis Devault, Kathy Feldman, Tony Gonazrow, Roger Hedge, Karen Henman, Steve Housefield, John Lima, Steve Lima, Clint Maddox, Dana Maddox, Brenda Milliren, Phil Milliren, Peter Scott

47) Warrick County (INWC):

Species: 72 plus count week Ruddy Duck and Pied-billed Grebe **Individuals: 28,954 Compiler:** Brian Taylor **Observers:** Jim Campbell, Mary Jo Campbell, Margi Griffith, Tim Griffith, Emily Hamilton, Heath Hamilton, Jim Hamilton, Travis Harris, Philip Lax, Jim Lodato, John Meredig, Ellen Roper, Steve Rose, Brian Taylor, Josie Taylor

48) Wells County (WELS):

Species: 37 Individuals: 3,424 Compiler: Ruth Oswalt **Observers:** Jim Bloomfield, Pat Bloomfield, Justin Dubach, Ken Dubach, Bill Fuller, Kathy Fuller, Phyllis Gentry, Robert Lewandowski, Marilyn Lewandowski, Jerry Moser, Ruth Oswalt, Charles Oswalt, Jerry Parker, Larry Parker, Rose Robinson, Mick Ulmer

49) Western Gibson County (INWG):

Species: 95 plus one non-countable Trumpeter Swan Individuals: 11 Ross's Goose, Gray Catbird, and Brewer's Blackbird documented. Cackling Goose, Ross's Goose, Trumpeter Swan, Golden Eagle, Osprey, Eurasian Collared-Dove, and Chipping Sparrow were detailed. Photo of Brewer's Blackbird. Golden Eagle and Chipping Sparrow were new species Compiler: Charles Mills Observers: David Ayer, Gary Bowman, Lisa Bowman, Dan Collins, Ben Fritz, Leroy Harrison, Charles Mills, Bob Shelby, Ryan Slack, Marietta Smith, Evan Speck, Dave Staver, Lee Sterrenburg, Terry Tichenor, Dawn York

50) Whitewater State Park (INWH):

Species: 76 plus Bonaparte's Gull and Great Horned Owl seen count week **Individuals:** 5,685 Details Eurasian Collared-Dove **Compiler:** Jim Seaney **Observers:** Bill Buskirk, Deb Chagares, Jim Chagares, Sam Fitton, Bob Holmes, David Russell, Jill Russell, Jim Seaney, Kathleen Tiller, Tom Tiller, Fran Tomassetti, Wendy Tori, Ron Williams, Samantha Williams, Amy Wilms, Carl Wilms

51) Willow Sough-Iroquois Preserve (INWS):

Species: 50 plus Red-breasted Nuthatch and Eastern Towhee seen count week Individuals: 3,060 Compiler: Ed Hopkins Observers: not submitted

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
Species	INAC	INBO	ILCR	INCN	INEC	INEH	INEV	Farm	INFW	INGP	INHC	INHM	HunC	INID	INDW	ININ	INJT	INJC	INKC
Gr. White-fronted Goose Snow Goose					6	4				155									113
Ross's Goose					ь	1				3 1									
Cackling Goose				10	1	11	10			6									2
Canada Goose	319	150	224	480		6524	2119	159	1229	3914	63	600	487	1506	229	1704		1268	3776
Mute Swan			2	4		315			·····		1			3		8	•••••	1200	
Tundra Swan										5									
Wood Duck							1			3						1		1	3
Gadwall			2	14		25	3			139				CW					38
American Wigeon										18								1	11 CW
American Black Duck			6	2		23				54		20		8		3			
Mallard	59		188	2		2792	332	13	260	2056	153	95	450	554		1289		278	516
Blue-winged Teal					1					_									
Northern Shoveler			- 1			0				2	8								7
Northern Pintail			1			8				2 13									2
Green-winged Teal Canvasback			8			1				2				cw				1	
Redhead			9	- 1		- '				6				4				10	
Ring-necked Duck				- 1	1	5	35			132								28	45
Greater Scaup			160							2				28					
Lesser Scaup			100			9								67					5
Harlequin Duck			1											1					
Surf Scoter			1											1					
White-winged Scoter			CW											1					
Black Scoter			CW											5					
Long-tailed Duck														2					
Bufflehead			4	2		21				1				17		2			20
Common Goldeneye			83	2	1	173				3				59					5
Hooded Merganser			14	90		43				3			2	11				7	14
Common Merganser	ļ		3			14				2				37					
Red-breasted Merganser			8											58					
Ruddy Duck			9			9	1			6				4		1		6	8
Ring-necked Pheasant									_					1					
Wild Turkey		153		38		45	90		3	75	2	28		16			16	12	
Northern Bobwhite	ļ						3			21				ابِــــــا				12	5
Common Loon										_				1					
Pied-billed Grebe					_	1	3			7				2		2		1	- 6
Horned Grebe			1		1	1								2					
Western Grebe Double-crested Cormorant			16											CW 11					
Great Blue Heron	3	1	16 1		4	7	15		2	28	7	11		3	2	20	2	2	- 7
Blk-crowned Night-Heron	3	- '	13		- 4	,	13			20	- '	- ''		3	2	20			- '
Black Vulture		CW	13									29							
Turkey Vulture		1		1			4		7	38		12						1	1
Osprey		- 1					•												
Bald Eagle		1		2	4	9	3			6	1	3		CW		2	2	3	2
Northern Harrier	3	4			1	-	6	1		66	1				1	1		2	7
Sharp-shinned Hawk					3	2	1	2	CW	2				2					1
Cooper's Hawk	2	1	4	1	6	20	8		8	9	5	2		8		8	4	6	7
Red-shouldered Hawk		5	3		8	1	19		4	9		2		8	3	5		7	2
Red-tailed Hawk	16	6	4	11	25	77	53	9	32	60	16	10	6	37	2	14	36	31	2 69
Rough-legged hawk				1	1	6			1	35			1	2	1	1	1		CW
Golden Eagle		1								1									
American Kestrel	17		2	1	7	22	41	7	5	15	1	24	1	1	1	3	8	12	35
Merlin										2									
Peregrine Falcon		2				1						CW							
Virginia Rail														1					
American Coot			13			43	21			2			6	2		4		35	5
Sandhill Crane						6									2				
Killdeer					1	2				3 6									
Wilson's Snipe						2				6				0)4/					
Black-legged Kittiwake														CW					
Bonaparte's Gull			70			00	2045		- 1				- 4	4000					60
Ring-billed Gull Herring Gull			70 252			66 8	2045 6		1				1	1293 2792					62
Thayer's Gull			1											2/92					
Iceland Gull			1											2					
Lesser Black-backed Gull			- '											5					
Slaty-backed Gull			CW											3					
Glaucous Gull			6											6					
Gr Black-backed Gull			7											7					
Pomarine Jaeger														1					
Rock Pigeon	66		57	3	6	253	1271	85	49	686	20	24	7	421		89	158	31	477
Eurasian Collared-Dove			4														5		17
Mourning Dove	287	33	88		604	288	676	710	140	719	251	267	11	117	4	357	382	470	1080
Monk Parakeet			2																
Barn Owl																			
Eastern Screech-Owl						4		1		4				1			2	2	
Great Horned Owl		1			11	7	2	1	1	10	2					6	3	3	
Barred Owl	ļ	1			2	3	4	1		5				2		4	3	1	3
Long-eared Owl																			
Short-eared Owl										37						1			
Northern Saw-whet Owl		014				-			_	1	-	-		_			_	_	
Belted Kingfisher Red-headed Woodpecker	1	CW	1	2		6	4		2	4	3	2	1	3	4.5	11	2	3	4
Red-headed Woodpecker		5 18	12			107	00	9	E 0	27 73	44	6		36	15 3	60	22	10	5 40
Yellow-bellied Sapsucker	5	18	12	23	40	107 10	82 9	9	52	73 10	41	14	5	82 1	3	68 2	22	19	7
Downy Woodpecker	9	17	20	28				30	54		40	11	9				27	30	
Hairy Woodpecker	9	1/	36 7	28 4		150 20	71 13	30	54 8	105 14	42 8	11	9	113 20	5	138 20	4	9	26
Northern Flicker		5	1			43	40	- 1	10		35	13	4	20 5	1	21	6	9	
Pileated Woodpecker	 	14		20 11		43 8	20		2	20	35 17	13	4	8		13	3	<u>9</u>	3
Eastern Phoebe		14		- 11	۷1	0	20			20	17	2		٥		13	3	- '	
Northern Shrike			CW							2		2		1				1	
Blue Jay	15	83	14	62	95	182	166	16	95	206	54	36	8	232	45	80	41	53	205
American Crow	8	145	17	62		273	502	42	295	263	39	153	7	174	46	77	68	125	
Homed Lark	141	9		<u>y</u>	178	5	71	193	82	1300	105		CW			82	442	562	244
Carolina Chickadee	2	16		62			174	19	CW	170	81	37	10			247	42	57	56
Black-capped Chickadee		10	34		.55	278	.,,	13	93		31	31	10	222	18	241	74		55
				-															

Tubes Friendes 2	Black-capped Chickadee	I		34			278			93					222	18				
Ambier Demonstration of Marches 1	Tufted Titmouse	2	17	3	54		148		27	70		51		3			110	18	33	40
Transport Control of the Control of	Red-breasted Nuthatch																			
Tambook Winner 1 1 2 13 29 10 10 10 10 10 10 10 10 10 10 10 10 10			16	23														32		
Commonwhead	Carolina Wren	1	1	2														4		
TRANSPORTING MATERIAL PROPERTY OF THE PROPERTY	Winter Wren				4					1	2							1		
		2	12		21	4	26		3	3		4	3	1	2			5	2	3
Seamont Throch in Comment Process Comment Proc			17		24	22	137			105		46	33	1	41			10	40	47
Security Process Column			- 17		24	22	137	02		103	43	40	33		41		24	10	40	47
Sementariothors 2	Hermit Thrush		CW		6	2		2		1	5		1						2	1
Tare Catalog and C	Varied Thrush		CW																	
Note		2		1	191	644	75	839	1	160	100	586	70	4	27		1898	13	136	186
Sover President 1 25 35 142 4856 589 180 97 181 50 50 180 97 181 50 50 180 97 180			2		4	6	8	107			8	- 5	5		2		5	1	4	21
Management proping Column	Brown Thrasher						- 0					- 3								1
Seeds Many Murber 30 CW 141 18 77 31 105 CW 69 137 138	European Starling	1017	19		354	1243	4855	4295	1180	937	11862	665	521	643	1378		901	443	976	4977
relewer under property of the	American Pipit																			
aisatem Towkee 46																	137		_	- 4
Intercent fire Spanov 0 110 83 10 100 89 24 27 219 288 112 9 42 200 22 100 200 100 200 100													3		2		3	5		
The principal paramove is a paramove in a serie of the paramove is a paramove in a serie of paramove is a paramove in a serie of paramove is a paramove in a serie of paramove in a ser	American Tree Sparrow	5							27					42					155	82
respect Sparrow serversh Sparrow	Chipping Sparrow																1			
avamenta Sparrow	Field Sparrow				31	18	4	2		1			11		1		1	7	1	17
Fig. Spanow 1 1 1 1 1 1 2 3 6 1 1 6 8 1 0 0 0 4 1 0 0 0 0 0 0 0 0 0								40											47	- 4
Song Spangow			1		1	14				1					CW		4		17	- '
Incoming Sparrow		2		3			34		12	16			24	1				70	67	60
White Separation 5	Lincoln's Sparrow																			
Septemble	Swamp Sparrow																			11
Trible Crowned Sparrow 1	White-throated Sparrow		5	1	46	59	9	191		17	317	9	14		4		67	6	25	21
Dark-Leyard Junnos (Glabe) John Seyard Junnos (Glabe) Jo			1			16	18	40		a	311	17			5		-	30		121
aplanet Longspur 303 CW 1 1 1 2 1 4 1 2 6 5 2 4 4 1 2 6 7 6 1 1 2 1 4 1 2 1 4 1 2 1 4 1 2 1 4 1 2 1 4 1 2 1 4 1 2 1 4 1 2 1 4 1 2 1 4 2 1 4 2 1 4 2 1 4 2 1 4 2 1 4 2 1 4 2 2 1 4 2 2 1 4 2 2 1 4 2 2 1 4 2 2 4 4 2 2 4 4 2 2	Dark-eyed Junco (Slate)			82	222				58				22	32		16	167			255
Northern Couldread 5 38 28 68 201 301 322 73 152 509 95 53 8 200 5 247 68 116 205	Lapland Longspur			CW							692				4			76	4	
Independing Market Mark	Snow Bunting						-													
Sed-winged Blackbird		5	38	28	66	201	301	322	73	152	509	95	53	8	209	5	247	66	116	205
Eastern Meadowlark 11				21		12	2	1442		CW	15490		1		2	8			1	300
	Eastern Meadowlark		11						3							Ü	3			50
Sommon Grackle	Rusty Blackbird					1		38			17									5
3	Brewer's Blackbird					21														
		_										3			40					
		3							- '				30						1	200
Common Redpoil	House Finch	12			_				130			25		2			84	64		12
American Goldfinch 8	Common Redpoll	1													3					
Separation 194	Pine Siskin																7			
Total pSeciles Observed 34 47 63 55 68 81 73 34 53 103 50 50 50 31 175 126 64 46 66 77 68 20 20 1249 2615 239 6315 20288 2215 238 343 548 07 7988 3229 331 87 284 587 393 282 2010 10 10 10 10 10 10 10 10 10 10 10 10										129	392	84	41	11	240	6	194	45	32	32
Total Individuals Counted RAC NBO LCR NKO NEC NEH NEV Farm NFW NGP NHC NHM Hunc NID NVW NID NJT NJC NKC NKO NEC NKO NEC NKO NEC NKO NEC NKO NEC NKO				177	15	100	746	100	E16	E 47	474	221	2	22	202	104	100	400	216	064
Doubt Code																				964 75
NAC NBO LCR NCN NEC NEH NEV Fam NFW NGP NHC NHM HunC NID NDW NN NJT NJC NKC	Total Species Observed Total Individuals Counted	34	47	63	55	68	81	73	34	53	103	50	50	31	87	26	64	46	66	75
Unidentified Groups	Total Species Observed	34 2,520	47 1,249	63 2,615	55 2,393	68 6,315	81 20,268	73 22,215	34 3,435	53 5,460	103 77,988	50 3,229	50 2,331	31 1,795	87 11,421	26 548	64 8,679	46 2,973	66 5,287	75 30,326
Unidentified Groups	Total Species Observed Total Individuals Counted	2,520 INAC	47 1,249 INBO	63 2,615 ILCR	55 2,393 INCN	68 6,315 INEC	81 20,268 INEH	73 22,215 INEV	34 3,435 Farm	53 5,460 INFW	103 77,988 INGP	3,229 INHC	50 2,331 INHM	31 1,795 HunC	87 11,421 INID	26 548 INDW	64 8,679 ININ	46 2,973 INJT	66 5,287 INJC	75 30,326 INKC
Scaup Sp Douck Sp Accipter Sp Sulf Sp Accipter Sp Sulf Sp Accipter Sp Sulf Sp Accipter Sp Sulf	Total Species Observed Total Individuals Counted Count Code Count Number	34 2,520 INAC 1	47 1,249 INBO 2	63 2,615 ILCR 3	55 2,393 INCN 4	68 6,315 INEC 5	81 20,268 INEH 6	73 22,215 INEV 7	34 3,435 Farm 8	53 5,460 INFW 9	103 77,988 INGP 10	3,229 INHC 11	50 2,331 INHM 12	31 1,795 HunC 13	87 11,421 INID 14	26 548 INDW 15	64 8,679 ININ 16	46 2,973 INJT 17	5,287 INJC 18	75 30,326 INKC 19
Accipter Sp Sult Sp Su	Total Species Observed Total Individuals Counted Count Code Count Number Count Code	34 2,520 INAC 1	47 1,249 INBO 2	63 2,615 ILCR 3	55 2,393 INCN 4	68 6,315 INEC 5	81 20,268 INEH 6	73 22,215 INEV 7	34 3,435 Farm 8	53 5,460 INFW 9	103 77,988 INGP 10	3,229 INHC 11	50 2,331 INHM 12	31 1,795 HunC 13	87 11,421 INID 14	26 548 INDW 15	64 8,679 ININ 16	46 2,973 INJT 17	5,287 INJC 18	75 30,326 INKC 19
Sulte Sp	Total Species Observed Total Individuals Counted Count Code Count Number	34 2,520 INAC 1	47 1,249 INBO 2	63 2,615 ILCR 3	55 2,393 INCN 4	68 6,315 INEC 5	81 20,268 INEH 6	73 22,215 INEV 7	34 3,435 Farm 8	53 5,460 INFW 9	103 77,988 INGP 10	3,229 INHC 11	50 2,331 INHM 12	31 1,795 HunC 13	87 11,421 INID 14	26 548 INDW 15	64 8,679 ININ 16	46 2,973 INJT 17	5,287 INJC 18	75 30,326 INKC 19
Sall Sp	Total Species Observed Total Individuals Counted Count Code Count Number Count Code Unidentified Groups Scaup Sp Duck Sp	34 2,520 INAC 1	47 1,249 INBO 2	63 2,615 ILCR 3	55 2,393 INCN 4	68 6,315 INEC 5	81 20,268 INEH 6	73 22,215 INEV 7	34 3,435 Farm 8	53 5,460 INFW 9	103 77,988 INGP 10	3,229 INHC 11	50 2,331 INHM 12	31 1,795 HunC 13	87 11,421 INID 14	26 548 INDW 15	64 8,679 ININ 16	46 2,973 INJT 17	5,287 INJC 18	75 30,326 INKC 19
Double D	Total Species Observed Total Individuals Counted Count Code Count Number Count Code Unidentified Groups Scaup Sp Duck Sp Accipter Sp	34 2,520 INAC 1	47 1,249 INBO 2	63 2,615 ILCR 3	55 2,393 INCN 4	68 6,315 INEC 5	81 20,268 INEH 6	73 22,215 INEV 7	34 3,435 Farm 8	53 5,460 INFW 9	103 77,988 INGP 10	3,229 INHC 11	50 2,331 INHM 12	31 1,795 HunC 13	87 11,421 INID 14	26 548 INDW 15	64 8,679 ININ 16	46 2,973 INJT 17	5,287 INJC 18	75 30,326 INKC 19
Narbier Sp Sparrow Sp Sp Sp Sp Sp Sp Sp Sp	Total Species Observed Total Individuals Counted Count Code Count Number Count Code Unidentified Groups Scaup Sp Duck Sp Accipter Sp Buteo Sp	34 2,520 INAC 1	47 1,249 INBO 2	63 2,615 ILCR 3	55 2,393 INCN 4	68 6,315 INEC 5	81 20,268 INEH 6	73 22,215 INEV 7	34 3,435 Farm 8	53 5,460 INFW 9	103 77,988 INGP 10	3,229 INHC 11	50 2,331 INHM 12	31 1,795 HunC 13	87 11,421 INID 14	26 548 INDW 15	64 8,679 ININ 16	46 2,973 INJT 17	5,287 INJC 18	75 30,326 INKC 19
Slackbird Sp	Total Species Observed Total Individuals Counted Count Code Count Number Count Code Unidentified Groups Scaup Sp Duck Sp Accipter Sp Buteo Sp Gull Sp	34 2,520 INAC 1	47 1,249 INBO 2	63 2,615 ILCR 3	55 2,393 INCN 4	68 6,315 INEC 5	81 20,268 INEH 6	73 22,215 INEV 7	34 3,435 Farm 8	53 5,460 INFW 9	103 77,988 INGP 10	3,229 INHC 11	50 2,331 INHM 12	31 1,795 HunC 13	87 11,421 INID 14	26 548 INDW 15	64 8,679 ININ 16	46 2,973 INJT 17	5,287 INJC 18	75 30,326 INKC 19
Total Unidentified Ind.	Total Species Observed Total Individuals Counted Count Code Count Code Unidentified Groups Scaup Sp Duck Sp Accipter Sp Buteo Sp Gull Sp Owl Sp Warbler Sp	34 2,520 INAC 1	47 1,249 INBO 2	63 2,615 ILCR 3	55 2,393 INCN 4	68 6,315 INEC 5	81 20,268 INEH 6	73 22,215 INEV 7	34 3,435 Farm 8	53 5,460 INFW 9	103 77,988 INGP 10	3,229 INHC 11	50 2,331 INHM 12	31 1,795 HunC 13	87 11,421 INID 14	26 548 INDW 15	64 8,679 ININ 16	46 2,973 INJT 17	5,287 INJC 18	75 30,326 INKC 19
Count Code INAC INBO ILCR INCN INEC INEH INEV Farm INFW INGP INHC INHM Hunc INID INDW ININ INJT INJC INKC INTRO INTR	Total Species Observed Total Individuals Counted Count Code Count Number Count Code Unidentified Groups Scaup Sp Duck Sp Accipter Sp Buteo Sp Gull Sp Owl Sp Warbler Sp Sparrow Sp	34 2,520 INAC 1	47 1,249 INBO 2	63 2,615 ILCR 3	55 2,393 INCN 4	68 6,315 INEC 5	81 20,268 INEH 6	73 22,215 INEV 7	34 3,435 Farm 8	53 5,460 INFW 9	103 77,988 INGP 10	3,229 INHC 11	50 2,331 INHM 12	31 1,795 HunC 13	87 11,421 INID 14	26 548 INDW 15	64 8,679 ININ 16	46 2,973 INJT 17	5,287 INJC 18	75 30,326 INKC 19
Date of Count	Total Species Observed Total Individuals Counted Count Code Count Number Count Code Unidentified Groups Scaup Sp Duck Sp Accipter Sp Buteo Sp Gull Sp Owl Sp Warbler Sp Sparrow Sp Blackbird Sp	34 2,520 INAC 1	47 1,249 INBO 2	63 2,615 ILCR 3 ILCR 300	55 2,393 INCN 4	68 6,315 INEC 5	81 20,268 INEH 6	73 22,215 INEV 7 INEV	34 3,435 Farm 8	53 5,460 INFW 9	103 77,988 INGP 10	3,229 INHC 11	50 2,331 INHM 12	31 1,795 HunC 13	87 11,421 INID 14	26 548 INDW 15	64 8,679 ININ 16	46 2,973 INJT 17	5,287 INJC 18	75 30,326 INKC 19
Date of Count	Total Species Observed Total Individuals Counted Count Code Count Number Count Code Unidentified Groups Scaup Sp Duck Sp Accipter Sp Buteo Sp Gull Sp Owl Sp Warbler Sp Sparrow Sp	34 2,520 INAC 1	47 1,249 INBO 2	63 2,615 ILCR 3 ILCR 300	55 2,393 INCN 4	68 6,315 INEC 5	81 20,268 INEH 6	73 22,215 INEV 7 INEV	34 3,435 Farm 8	53 5,460 INFW 9	103 77,988 INGP 10	3,229 INHC 11	50 2,331 INHM 12	31 1,795 HunC 13	87 11,421 INID 14	26 548 INDW 15	64 8,679 ININ 16	46 2,973 INJT 17	5,287 INJC 18	75 30,326 INKC 19
Dispare from (p.m.) 4:30 6:00 4:30 ns ns 5:00 5:30 6:30 5:15 5:30 3:00 8:00 4:30 5:00 2:00 5:30 5:15 4:00 5:20	Total Species Observed Total Individuals Counted Count Code Count Number Count Code Unidentified Groups Scaup Sp Duck Sp Accipter Sp Buteo Sp Gull Sp Owl Sp Warbler Sp Sparrow Sp Blackbird Sp	34 2,520 INAC 1	47 1,249 INBO 2 INBO	63 2,615 ILCR 3 ILCR 300	55 2,393 INCN 4 INCN	68 6,315 INEC 5 INEC	81 20,268 INEH 6 INEH	73 22,215 INEV 7 INEV 20	34 3,435 Farm 8 Farm	53 5,460 INFW 9	103 77,988 INGP 10 INGP	50 3,229 INHC 11 INHC	50 2,331 INHM 12 INHM	31 1,795 HunC 13 HunC	87 11,421 INID 14 INID	26 548 INDW 15 INDW	64 8,679 ININ 16 ININ	46 2,973 INJT 17 INJT	66 5,287 INJC 18 INJC	75 30,326 INKC 19 INKC
Observer Data	Total Species Observed Total Individuals Counted Count Code Count Code Count Code Count Code Unidentified Groups Scaup Sp Duck Sp Accipter Sp Buteo Sp Gull Sp Owl. Sp Warbler Sp Sparrow Sp Blackbird Sp Total Unidentified Ind. Count Code Date of Count	34 2,520 INAC 1 INAC	1,249 INBO 2 INBO INBO 12/18	300 ILCR 300 300 300 ILCR 12/26	55 2,393 INCN 4 INCN INCN	68 6,315 INEC 5 INEC 21 21 INEC	81 20,268 INEH 6 INEH 21	73 22,215 INEV 7 INEV 20 20 INEV 12/18	34 3,435 Farm 8 Farm	53 5,460 INFW 9 INFW	103 77.988 INGP 10 INGP	50 3,229 INHC 11 INHC	50 2,331 INHM 12 INHM	31 1,795 HunC 13 HunC	87 11,421 INID 14 INID	26 548 INDW 15 INDW	64 8,679 ININ 16 ININ ININ 12/18	46 2,973 INJT 17 INJT	66 5,287 INJC 18 INJC INJC	75 30,326 INKC 19 INKC
No. Deservers in Field	Total Species Observed Total Individuals Counted Count Code Count Number Count Code Unidentified Groups Scaup Sp Duck Sp Accipter Sp Buteo Sp Gull Sp Owl Sp Warbler Sp Sparrow Sp Blackbird Sp Total Unidentified Ind. Count Code Date of Count Start Time (a.m.)	34 2,520 INAC 1 INAC INAC	1,249 INBO 2 INBO INBO 12/18 8:00	300 BLCR 300 BLCR 300 BLCR 12/26 7:00	55 2,393 INCN 4 INCN INCN INCN 12/21	68 6,315 INEC 5 INEC 21 INEC 12/19	81 20,268 INEH 6 INEH 21 	73 22,215 INEV 7 INEV 20 20 INEV 12/18 5:00	34 3,435 Farm 8 Farm 12/18 8:00	53 5,460 INFW 9 INFW INFW 12/18 7:15	103 77.988 INGP 10 INGP INGP 12/15 2:15	50 3,229 INHC 11 INHC	50 2,331 INHM 12 INHM INHM INHM 1/1 8:00	31 1,795 HunC 13 HunC HunC	INID 12/18 5:30	26 548 INDW 15 INDW	64 8,679 ININ 16 ININ ININ 12/18 7:30	46 2,973 INJT 17 INJT INJT 12/18 5:30	1NJC INJC INJC INJC INJC	75 30,326 INKC 19 INKC 1 1 1 1 INKC 1/2 5:35
No. Field Parties	Total Species Observed Total Individuals Counted Count Code Count Code Count Code Unidentified Groups Scaup Sp Duck Sp Accipter Sp Buteo Sp Gull Sp Owl Sp Warbler Sp Sparrow Sp Blackbird Sp Total Unidentified Ind. Count Code Date of Count Start Time (a.m.) End Time (a.m.) End Time (a.m.)	34 2,520 INAC 1 INAC INAC	1,249 INBO 2 INBO INBO 12/18 8:00	300 BLCR 300 BLCR 300 BLCR 12/26 7:00	55 2,393 INCN 4 INCN INCN INCN 12/21	68 6,315 INEC 5 INEC 21 INEC 12/19	81 20,268 INEH 6 INEH 21 	73 22,215 INEV 7 INEV 20 20 INEV 12/18 5:00	34 3,435 Farm 8 Farm 12/18 8:00	53 5,460 INFW 9 INFW INFW 12/18 7:15	103 77.988 INGP 10 INGP INGP 12/15 2:15	50 3,229 INHC 11 INHC	50 2,331 INHM 12 INHM INHM INHM 1/1 8:00	31 1,795 HunC 13 HunC HunC	INID 12/18 5:30	26 548 INDW 15 INDW	64 8,679 ININ 16 ININ ININ 12/18 7:30	46 2,973 INJT 17 INJT INJT 12/18 5:30	1NJC INJC INJC INJC INJC	75 30,326 INKC 19 INKC
Field Hours on Foot 0 5.5 9.75 ns ns 35 24 4 11.75 59.55 21 8.5 2 47.75 12 31.5 7.5 10.3 5.67 Field Hours by Boat 17.6 28.25 20.25 22 50.5 68 68 15.5 42.25 10.8 26.25 23.75 8 87.5 12 46.5 24 34.4 49.3 Field Miles on Foot 0 5.5 8.1 ns ns 28.25 19 1.7 10.5 44.21 20 5.25 0 43 17 23.75 6.25 9 Field Miles by Car 191.8 113 106 ns ns 42.9 475 186.2 368.5 342.4 127.5 149 33 344.5 0 248 243 107 465.3 Field Miles by Boat 191.8 118.5 114.1 126 141.5 462.8 494 187.9 379 386.61 147.5 154.75 33 387.50 17.00 271.8 249.25 116 469.30 Flows Form of the Foot 2 0 8 0 8 68 13 0 9 6 0 2 0 15 0 4 0 0 0 7 Flow Form of the Foot 31 18 12 20 15 25 21 10 8 2 12 29 22 8 25 12 12 16 22 Flow Green arm. (%) 100 pc 50 pc 0 50 9.22 0.10 8.10	Total Species Observed Total Individuals Counted Count Code Count Code Count Code Unidentified Groups Scaup Sp Duck Sp Accipter Sp Buteo Sp Gull Sp Owl. Sp. Warbler Sp Sparrow Sp Blackbird Sp Total Unidentified Ind. Count Code Date of Count Start Time (a.m.) End Time (p.m.) Observer Data	INAC INAC INAC INAC INAC INAC INAC INAC	INBO 12/18 8:00 6:00	300 ILCR 300 300 ILCR 12/26 7:00 4:30	55 2,393 INCN 4 INCN INCN 12/21 ns ns	68 6,315 INEC 5 INEC 21 INEC 12/19 ns ns	81 20,268 INEH 6 INEH 21 INEH 1/1 4:30 5:00	73 22,215 INEV 7 INEV 20 20 INEV 12/18 5:00 5:30	34 3,435 Farm 8 Farm 12/18 8:00 6:30	53 5,460 INFW 9 INFW 12/18 7:15 5:15	103 77,988 INGP 10 INGP 12/15 2:15 5:30	INHC 12/18 6:30 3:209	50 2,331 INHM 12 INHM INHM 1/1 8:00 8:00	31 1,795 HunC 13 HunC HunC 171 7:30 4:30	INID 12/18 5:30 5:00	26 548 INDW 15 INDW 12/29 7:00 2:00	ININ 12/18 7:30 5:30	1NJT 12/18 5:30 5:15	INJC 12/19 6:00 4:00	75 30,326 INKC 19 INKC 1 1 1 INKC 1/2 5:35 5:20
Field Hours by Boat 17.6 28.25 20.25 22 50.5 68 68 68 68 68 68 68 6	Total Species Observed Total Individuals Counted Count Code Count Code Count Code Unidentified Groups Scaup Sp Duck Sp Accipter Sp Buteo Sp Gull Sp Owl Sp Warbler Sp Sparrow Sp Blackbird Sp Total Unidentified Ind. Count Code Date of Count Start Time (a.m.) End Time (a.m.) End Time (a.m.)	34 2,520 INAC INAC INAC INAC 1/1 8:00 4:30	INBO 12/18 8:00 6:00	300 BLCR 300 BLCR 300 BLCR 12/26 7:00 4:30	55 2,393 INCN 4 INCN INCN 12/21 ns ns	68 6,315 INEC 5 INEC 21 21 INEC 12/19 ns ns	81 20,268 INEH 6 INEH 21 INEH 1/1 4:30 5:00	20 INEV 7 20 INEV 20 INEV 20 INEV 12/18 5:00 5:30	3435 Farm 8 Farm 12/18 8:00 6:30	53 5,460 INFW 9 INFW 12/18 7:15 5:15	103 77.988 INGP 10 INGP 12/15 2:15 5:30	50 3,229 INHC 11 INHC 12/18 6:30 3:00	50 2,331 INHM 12 INHM INHM 1/1 8:00 8:00	31 1,795 HunC 13 HunC HunC 1/1 7:30 4:30	INID 11/2/18 1NID 11/2/18 5:30 5:00	26 548 INDW 15 INDW INDW INDW 12/29 7:00 2:00	64 8,679 ININ 16 ININ 12/18 7:30 5:30	10 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	INJC 12/19 6:00 4:00	75 30,326 INKC 19 INKC 1 1 1 1 INKC 1/2 5:35
Total Field Hours 17.6 28.25 20.25 22 50.5 68 68 15.5 42.25 101.8 26.25 23.75 8 87.5 12 46.5 24 34.4 49.3	Total Species Observed Total Individuals Counted Count Code Count Code Count Code Unidentified Groups Scaup Sp Duck Sp Accipter Sp Buteo Sp Gull Sp Owl. Sp. Warbler Sp Sparrow Sp Blackbird Sp Total Unidentified Ind. Count Code Date of Count Start Time (a.m.) End Time (p.m.) Observer Data No. Diservers in Field No. Field Parties Field Hours on Foot	34 2,520 INAC 1 INAC 1 INAC 1/1 8:00 4:30	INBO 12/18 8:00 6:00 18 5.5	300 ILCR 300 ILCR 300 ILCR 12/26 7:00 4:30 8 6 9.75	INCN 12/21 ns ns 5 ns ns	68 6,315 INEC 5 INEC 21 21 INEC 12/19 ns ns	81 20,268 INEH 6 INEH 21 INEH 1/1 4:30 5:00 34 13 35	22,215 INEV 7 INEV 20 20 INEV 12/18 5:00 5:30 26 8 24	34 3,435 Farm 8 Farm 12/18 8:00 6:30 4 2	INFW 12/18 7:15 5:15 15:17 15:	103 77,988 INGP 10 INGP 12/15 2:15 5:30 43 13 59.55	INHC 12/18 6:30 3:00 41 9 21	INHM 1/1 8:00 8:00 18 8.5	HunC HunC 13 HunC 2 14 17 17 17 17 17 17 18 18 18 18 18 18 18 18 18 18 18 18 18	INID 12/18 5:30 5:00 32 47.75	26 548 INDW 15 INDW INDW 12/29 7:00 2:00 4 4 112	ININ 12/18 7:30 5:30 21 122 31.5	INJT 12/18 5:30 5:15 8 4 7.5	INJC 12/19 6:00 4:00 10.3	75 30,326 INKC 19 INKC 11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Field Miles on Foot 0 5.5 8.1 ns ns 28.25 19 1.7 10.5 44.21 20 5.25 0 43 17 23.75 6.25 9 4.5 1.5	Total Species Observed Total Individuals Counted Count Code Count Code Count Code Unidentified Groups Scaup Sp Duck Sp Accipter Sp Buteo Sp Gull Sp Owl Sp Warbler Sp Sparrow Sp Blackbird Sp Total Unidentified Ind. Count Code Date of Count Start Time (a.m.) End Time (p.m.) Observer Data No. Observers in Field No. Field Hours on Foot	34 2,520 INAC 1 INAC 1 INAC 1/1 8:00 4:30	INBO 12/18 8:00 6:00 18 5.5	300 ILCR 300 ILCR 300 ILCR 12/26 7:00 4:30 8 6 9.75	INCN 12/21 ns ns 5 ns ns	68 6,315 INEC 5 INEC 21 21 INEC 12/19 ns ns	81 20,268 INEH 6 INEH 21 INEH 1/1 4:30 5:00 34 13 35 31.5	22,215 INEV 7 INEV 20 20 INEV 12/18 5:00 5:30 26 8 24	34 3,435 Farm 8 Farm 12/18 8:00 6:30 4 2	INFW 12/18 7:15 5:15 15:17 15:	103 77,988 INGP 10 INGP 12/15 2:15 5:30 43 13 59.55	INHC 12/18 6:30 3:00 41 9 21	50 2,331 INHM 12 INHM INHM 1/1 8:00 8:00 18 7 8.5 14.25	HunC HunC 13 HunC 2 14 17 17 17 17 17 17 18 18 18 18 18 18 18 18 18 18 18 18 18	INID 12/18 5:30 5:00 32 47.75	26 548 INDW 15 INDW INDW 12/29 7:00 2:00 4 4 112	ININ 12/18 7:30 5:30 21 122 31.5	INJT 12/18 5:30 5:15 8 4 7.5	INJC 12/19 6:00 4:00 10.3	75 30,326 INKC 19 INKC 1 1 1 INKC 1/2 5:35 5:20
Field Miles by Car 191.8 113 106 ns ns 429 475 186.2 368.5 342.4 127.5 149 33 344.5 0 248 243 107 465.3 Field Miles by Boat 191.8 118.5 114.1 126 141.5 462.8 494 187.9 379 386.61 147.5 154.75 33 387.50 17.00 271.8 249.25 116 469.30 Flower at Feeders 2 0 4 0 5 29 8 8 0 4 2 0 2 0 6 0 4 0 0 0 Flower at Feeders 2 0 8 0 8 68 13 0 9 6 0 2 0 15 0 0 4 0 0 0 Flower at Feeders 2 0 8 0 8 68 13 0 9 6 0 2 0 15 0 0 4 0 0 0 Flower at Feeders 2 0 8 0 8 68 13 0 9 6 0 2 0 15 0 0 4 0 0 0 Flower at Feeders 2 0 8 0 8 68 13 0 9 6 0 2 0 15 0 0 4 0 0 0 Flower at Feeders 2 0 8 0 8 68 13 0 9 6 0 2 0 15 0 0 4 0 0 0 Flower at Feeders 2 0 8 0 8 68 13 0 9 6 0 2 0 15 0 0 4 0 0 0 Flower at Feeders 2 0 8 0 8 68 13 0 9 6 0 2 0 15 0 0 4 0 0 0 Flower at Feeders 2 0 8 0 8 68 13 0 9 6 0 2 0 15 0 0 0 Flower at Feeders 2 0 8 0 8 68 13 0 9 6 0 2 0 15 0 0 Flower at Feeders 2 0 8 0 8 68 13 0 9 6 0 2 0 15 0 0 Flower at Feeders 2 0 8 0 0 0 0 0 0 0 0	Total Species Observed Total Individuals Counted Count Code Code Code Code Code Code Code Code	INAC 1/1 8:00 4:30 17.6	INBO 12/18 8:00 6:00 18 5.5 22.75	300 ILCR 300 300 ILCR 300 300 ILCR 12/26 7:00 4:30 8 6 9.75 10.5	INCN	68 6,315 INEC 5 INEC 21 INEC 12/19 ns ns 34 13 ns ns	81 20,268 INEH 6 INEH 21 	20 INEV 7 INEV 20 20 INEV 12/18 5:00 5:30 26 8 24 44	34435 Farm 8 Farm 12/18 8:00 6:30 4 2 4 4 11.5	INFW 9 INFW 12/18 7:15 5:15 15.30.5	INGP 10 INGP 10 INGP 12/15 2:15 5:30 43 13 59.55 42.27	INHC 12/18 6:30 3:00 41 5.25	INHM 1/1 8:00 8:00 14.25 14.25 1	31 1,795 HunC 13 HunC HunC 1/1 7:30 4:30 2 1 2 6	11,421 INID 14 INID 12/18 5:30 5:00 32 47,75 39,75	26 548 INDW 15 INDW 12/29 7:00 2:00 4 4 12 0	ININ 16 ININ 16 ININ 12/18 7:30 5:30 21 12 31.5 15	INJT 12/18 5:30 5:15 8 4 7.5 16.5	INJC INDC INDC	75 30,326 INKC 19 INKC 119 INKC 110 10 10 10 10 10 10 10 10 10 10 10 10
Total Field Miles 191.8 118.5 114.1 126 141.5 462.8 494 187.9 379 386.61 147.5 154.75 33 387.50 17.00 271.8 249.25 116 469.30 20	Total Species Observed Total Individuals Counted Count Code Count Code Count Code Unidentified Groups Scaup Sp Duck Sp Accipter Sp Buteo Sp Gull Sp Owl Sp Warbler Sp Sparrow Sp Blackbird Sp Total Unidentified Ind. Count Code Date of Count Start Time (a.m.) End Time (p.m.) Observer Data No. Observers in Field No. Field Hours on Foot	INAC INAC INAC INAC INAC INAC INAC INAC	INBO INBO INBO INBO INBO INBO INBO INBO	300 ILCR 300 300 ILCR 300 ILCR 12/26 7:00 4:30 8 6 9.75 10.5	S55 2,393 INCN	68 6,315 INEC 5 INEC 21 21 INEC 12/19 ns ns 34 13 ns ns	81 20,268 INEH 6 INEH 21 	22,215 INEV 7 INEV 20 20 INEV 12/18 5:00 5:30 26 8 4 44 68	34 3,435 Farm 8 Farm 12/18 8:00 6:30 4 2 2 4 11.5	INFW INFW 12/18 7:15 15:15 15:30.5 42.25	103 77,988 INGP 10 INGP 12/15 2:15 5:30 43 13 59.555 42.27	INHC INHC IVAC IVAC IVAC IVAC IVAC IVAC IVAC IVA	INHM 1/1 8:00 8:00 14.25 14.25 123.75	HunC 13 HunC 13 HunC 14 17 17:30 4:30 2 1 2 6	11,421 INID 14 INID 12/18 5:30 5:00 32 47.75 39.75	26 548 INDW 15 INDW 12/29 7:00 2:00 4 4 4 12 0	ININ 12/18 7:30 10 10 10 10 10 10 10 10 10 10 10 10 10	10 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	INJC INJC 12/19 6:00 4:00 10.3 24.1 34.4	75 30,326 INKC 19 INKC 11 1 1 1 1 1 1 1 1 1 1 1 1 1 2 5:35 5:20 1 8 6 7 43.63 49.3
Deservers at Feeders 2 0 4 0 5 29 8 0 4 2 0 2 0 6 0 4 0 0 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	Total Species Observed Total Individuals Counted Count Code Count Code Count Code Count Code Unidentified Groups Scaup Sp Duck Sp Accipter Sp Buteo Sp Gull Sp Owl. Sp Total Unidentified Ind. Count Code Date of Count Start Time (a.m.) End Time (p.m.) Observer Data No. Field Parties Field Hours by Boat Total Field Hours Field Hours Field Hours Field Hours Field Hours Field Miles on Foot	INAC 1/1 8:00 4:30 0 17.6 0 17.6 0 0 0 17.6 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	INBO INBO INBO INBO INBO INBO INBO INBO	300 ILCR 300 300 ILCR 300 300 ILCR 12/26 7:00 4:30 9.75 10.25 20.25 8.1	100 S S S S S S S S S S S S S S S S S S	68 6,315 INEC 5 INEC 21 INEC 12/19 ns ns 34 13 ns ns ns	81 20,268 INEH 6 INEH 21 	20 INEV 7 INEV 20 20 20 INEV 12/18 5:30 5:30 68 24 44 68 19	34 3,435 Farm 8 Farm 12/18 8.000 6:30 4 2 2 4 1.5.5 1.7	5335,4600 INFW 9 INFW 12/18 7:15 5:15 5:15 42.25 10.5 10.5 442.25	INGP 10 INGP 10 INGP 12/15 2:15 5:30 43 13 59.55 42.27 101.8 44.21	INHC 11 INHC 11 INHC 12/18 6:30 3:00 21 5.25 26.25	INHM 1/1 8:00 8:00 14:25 14:25 14:9	31 1,795 HunC 13 HunC 14 HunC 1/1 7:30 4:30 2 1 2 6	INID INID INID 12/18 5:30 5:00 5:00 87.5 87.5 43	26 548 INDW 15 INDW 12/29 7:00 2:00 4 4 4 12/2 12/2 12/2 12/2 12/2 12/2 12/	84 8,679 NININ 16 ININ 12/18 7:30 5:30 1:12 31.5 5:30 46.5 23.75	INJT 17 17 17 17 18 17 17 19 18 19 19 19 19 19 19 19 19 19 19 19 19 19	INJC INJC	75 30,326 INKC 19 INKC 11 1 1 1 1 1 1 1 1 1 1 1 1 1 2 5:35 5:20 1 8 6 7 43.63 49.3
Hours at Feeders 2 0 8 0 8 68 13 0 9 6 0 2 0 15 0 4 0 0 7 7 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Total Species Observed Total Individuals Counted Count Code Count Code Count Code Unidentified Groups Scaup Sp Duck Sp Accipter Sp Buteo Sp Gull Sp Owl Sp Warbler Sp Sparrow Sp Blackbird Sp Total Unidentified Ind. Count Code Date of Count Start Time (a.m.) End Time (p.m.) Observer Data No. Observers in Field No. Field Hours Field Hours by Car Field Hours Field Miles on Foot Field Miles on Foot Field Miles by Car Field Miles by Boat	INAC INAC INAC INAC INAC INAC INAC INAC	INBO INBO INBO INBO INBO INBO INBO INBO	300 ILCR 300 300 ILCR 300 300 ILCR 12/26 7:00 4:30 8 6 9.75 10.5 8.1 106	INCN 12/21 ns ns ns ns ns ns ns ns	68 6,315 INEC 5 INEC 21 INEC 12/19 ns ns 34 13 ns ns	81 20,268 INEH 6 INEH 21 INEH 1/1 4:30 5:00 34 13 35 31.5 1.68 28.25 429 5.5	22,215 INEV 7 INEV 20 INEV 12/18 18 5:30 26 8 24 44 68 19 475	34 3,435 Farm 8 Farm 12/18 8:00 6:30 4 2 2 4 11.5 15.5 1.7 186.2	INFW INFW INFW INFW INFW INFW INFW INFW	103 77,988 INGP 10 INGP 12/15 2:15 5:30 43 13 59.55 42.27 101.8 44.21 342.4	INHC INHC INHC INHC INHC INHC INHC INHC	INHM 1/1 8:00 8:00 14.25 14.25 1.23.75 5.25 1.49 0.55	HunC HunC 13 HunC 14 HunC 17 HunC 17 17 17 19 4:30 4:30 2 1 2 6 8 0 33	11,421 INID 14 INID 12/18 5:30 5:00 32 157.75 39.75 43,344.5	26 548 INDW 15 INDW 12/29 7:00 2:00 4 4 12/2 0 0 12/2 17/0 0	ININ ININ ININ ININ ININ ININ ININ INI	INJT INJT INJT 12/18 5:30 5:15 4 7.55 16.5 24 6.25 243	INJC INJC 12/19 6:00 4:00 10.3 24.1 34.4 9 107	10 INKC 19 INKC 11 INKC 12 INKC 14 INKC 14 INKC 14 INKC 15 INKC 16 INKC 17 INKC 18 INK
Hours Owling 0 0 0 0 0 5 4.5 1.5 1.15 2 13 0 1 0 4.75 0 1 3 1.5 5.9 Miles Owling 0 0 0 0 0 2 2 2 8 4 4 8.5 64.3 0 5.5 0 32.5 0 1 0.5 1.5 48.8 Meather/Count Day High Temperature F 45 26 26 32 26 54 28 21 24 25 26 52 54 25 36 26 27 30 31 2 20 20 20 20 20 20 20 20 20 20 20 20 2	Total Species Observed Total Individuals Counted Count Code Code Code Code Code Code Code Code	INAC INAC INAC INAC INAC INAC INAC INAC	INBO INBO INBO INBO INBO INBO INBO INBO	300 ILCR 300 300 ILCR 300 ILCR 12/26 7:00 4:30 8 6 9.75 10.5 20.25 21.106	S55 2,393 INCN 4 INCN 4 INCN 12/21 INCN 12/21 INCN 15 5 5 5 INCN INCN 15 15 15 INCN	68 6,315 INEC 5 INEC 21 INEC 12/19 ns ns 34 13 ns ns ns 50.5 ns	81 20,268 INEH 6 INEH 21 21 	22,215 INEV 7 INEV 20 20 INEV 12/18 5:00 5:30 26 8 24 44 68 19 475	34 3,435 Farm 8 Farm 12/18 8:00 6:30 4 2 2 4 4 11.5 15.5 1.7 186.2	5335,4600 INFW 9 INFW 12/18 7:15 5:15 15 6 6 11.75 30.5 42.2.5 368.5 379	INGP 10 INGP 10 INGP 12/15 2:15 5:30 43 13 59.55 42.27 101.8 44.21 342.4	INHC 12/18 6:30 3:00 411 5.25 26.25 127.5	INHM 1/1 8:00 8:00 14.25 14.25 14.25 14.9 0.5 154.75	31 1,795 HunC 13 HunC 	INID 11.421 INID 14 INID 12/18 5:30 5:00 32 15 47.75 87.5 39.75 87.5 387.50 387.50	26 548 INDW 15 INDW 12/29 7:00 2:00 4 12 0 12 17 0	ININ 12/18 7:30 21 15 248.5 248 271.8	INJT 12/18 5:30 5:15 4 7.5 16.5 244 6.25 243 249.25	INJC INJC INJC 12/19 6:00 4:00 10.3 24.1 34.4 9.107	75 30,326 INKC 19 INKC 119 INKC 1/2 5:35 5:20 18 6 5.67 43.63 49.3 465.3
Weather/Count Day Image: Control of the c	Total Species Observed Total Individuals Counted Count Code Count Code Count Code Unidentified Groups Scaup Sp Duck Sp Accipter Sp Buteo Sp Gull Sp Owl Sp Total Unidentified Ind. Count Code Date of Count Start Time (a.m.) End Time (p.m.) Observer Data No. Field Parties Field Hours by Boat Total Field Hours Field Miles by Car Field Miles by Boat Total Field Miles Observers at Feeders	INAC INAC INAC INAC INAC INAC INAC INAC	INBO INBO INBO INBO INBO INBO INBO INBO	300 300 ILCR 300 300 ILCR 12/26 7:00 4:30 8 8 9.75 10.5 20.25 8.1 106 114.1 4	INCN 12/21 ns ns ns 126 0 0 0	68 6,315 INEC 5 INEC 21 INEC 12/19 ns ns 13 ns s 50.5 ns ns	81 20,268 INEH 6 INEH 21 	22,215 INEV 7 INEV 20 20 INEV 12/18 5:00 5:30 26 8 49 444 68 19 475 494 8	34 3,435 Farm 8 Farm 12/18 8:00 6:30 4 2 2 4 11.5 15.5 1.7 186.2 187.9 0	INFW INFW INFW INFW INFW INFW INFW INFW	103 77,988 INGP 10 INGP 12/15 2:15 5:30 43,13 59.55 42.27 101.8 44.21 342.4 386.61 2	INHC INHC IVAL INHC INHC IVAL IVAL IVAL IVAL IVAL IVAL IVAL IVAL	INHM 12 INHM 12 INHM 1/1 8:00 8:00 14:25 14:25 14:25 14:25 5:25 14:9 0.5 15:475	HunC HunC 13 HunC HunC 14 HunC 17 17 17 18 18 18 18 18 18 18 18 18 18 18 18 18	INID 12/18 5:30 5:00 32 2:15 47.75 43.344.5 387.50 6	26 548 INDW 15 INDW 12/29 7:00 2:00 4 4 12 12 17 0	ININ 12/18 7:30 5:30 5:30 5:30 5:30 5:30 5:30 5:30 5	INJT 17 INJT 17 INJT 12/18 5:30 5:15 8 4 7.5 16.5 24 6.25 243 249.25 0	INJC INJC	75 30,326 INKC 19 INKC 119 INKC 110 INKC 110 110 110 110 110 110 110 110 110 11
High Temperature F	Total Species Observed Total Individuals Counted Count Code Code Code Code Code Code Code Code	INAC INAC INAC INAC INAC INAC INAC INAC	INBO INBO INBO INBO INBO INBO INBO INBO	300 ILCR 300 300 ILCR 300 ILCR 12/26 7:00 4:30 9.75 10.55 20.25 8 6 9.75 10.4 1	555 2,393 3 INCN 4 INCN INCN 12/21 ns ns 12/21 ns ns 12/21 ns ns 12/21 ns ns ns 12/21 ns ns ns 12/21 ns ns ns 12/21 ns ns ns ns 12/21 ns	68 6,315 INEC 5 INEC 21 INEC 12/19 ns ns 50.5 ns 141.5 5	81 20,268 INEH 6 INEH 21 INEH 1/1 4:30 5:00 34 13 35 31.5 6.88 28.25 462.8 29 68	20,215 INEV 7 INEV 20 20 INEV 12/18 5:00 5:30 68 24 44 68 81 475 494 81 13	34 3,435 Farm 8 Farm 12/18 8.00 6:30 4 2 2 4.5 11.5 1.7 186.2 187.9 0 0	5335,4600 INFW 9 INFW 12/18 7:15 5:15 5:15 42.25 368.5 379 4 9 9	INGP 10 INGP 10 INGP 12/15 2:15 5:30 43 13 59.55 42.27 101.8 44.21 342.4 386.61 2 6	INHC 11 INHC 11 INHC 12/18 6:30 3:00 21 5.25 26.25 26.25 127.5	INHM 1/1 8:00 8.50 14.25 14.25 14.25 15.25 154.75 2 2 2 2 2	31 1,795 HunC 13 HunC 143 HunC 1/1 7:30 4:30 2 1 2 6 8 8 0 33 33 0 0	INID 12/18 5:30 5:00 6:6 6:6 6:15	26 548 INDW 15 INDW 12/29 7:00 2:00 4 4 4 12/2 12/2 17/0 0	ININ 12/18 7:30 15:30 10	INJT 17 INJT 17 INJT 12/18 5:30 5:15 4 7.5 16.5 243 249.25 0	INJC INJC INJC 12/19 6:00 4:00 10.33 24:1 34.4 107 1166 00 0	75 30,326 INKC 19 INKC 119 INKC 1/2 5:35 5:20 49.33 49.33 465.3 469.30 7
High Temperature F	Total Species Observed Total Individuals Counted Count Code Count Code Count Code Count Code Unidentified Groups Scaup Sp Duck Sp Accipter Sp Buteo Sp Gull Sp Owl Sp Warbler Sp Sparrow Sp Blackbird Sp Total Unidentified Ind. Count Code Date of Count Start Time (a.m.) End Time (p.m.) Observer Data No. Observers in Field No. Field Parties Field Hours by Car Field Milles by Car Field Milles on Foot Field Milles on Foot Field Milles on Foot Field Milles on Foot Field Milles by Car Field Milles by Car Field Milles by Car Field Milles by Boat Total Field Milles Observers at Feeders Hours at Feeders Hours at Feeders	INAC INAC INAC INAC INAC INAC INAC INAC	INBO INBO INBO INBO INBO INBO INBO INBO	300 ILCR 300 300 ILCR 300 ILCR 300 ILCR 12/26 7:00 4:30 8 6 9.75 10.5 20.25 8.11 10.6 114.1 4 8 0 0	S55 S2 S39 S2 S39 S2 S39 S	68 6,315 INEC 5 INEC 21 INEC 12/19 ns ns 34 133 ns ns 141.5 5 8 5	81 20,268 INEH 6 INEH 21 21 4:30 5:00 34,13 35 68 28,25 429 5.5 462,8 29 68 4.5	20 20 20 20 20 20 20 20 20 20	34 3,435 Farm 8 Farm 12/18 8:00 6:30 4 2 2 4 11.5 15.5 17.7 186.2 187.9 0 0 0 1.15	53 5,460 9 INFW 12/18 7:15 5:15 15 6 6 11.75 30.5 42.25 368.5 379 4 9 2 2	INGP 10 INGP 10 INGP 12/15 2:15 5:30 43, 13, 59,55 42,27 101.8 44,21 386.61 2 6 6	INHC 12/18 6:30 3:00 41 5.25 26.25 147.5 0 0	INHM 1/1 8:00 8:00 14:25 14:25 14:9 0.5 154:75 2 2 1 1	31 1,795 HunC 13 HunC 13 HunC 171 7:30 4:30 2 6 8 8 0 33 33 0 0	INID INID 14 INID 12/18 5:30 5:00 32 15 47.75 387.50 6 6 6 6 6 14 17 18 18 18 18 18 18 18 18 18 18	1NDW 12/29 7:00 2:00 4 4 12 0 17.00 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	ININ 12/18 7:30 21.52 31.5 15 271.8 46.5 23.75 248 44 44 41	INJT 12/18 5:30 5:15 8 4 7.5 16.5 244 6.24 0 0 0 3 3	INJC INJC INJC 18 INJC 12/19 6:00 4:00 10.3 24.1 34.4 9.7 116 0.0 0.1.5	10 INKC 19 INKC 19 INKC 19 INKC 19 INKC 10 INK
Low Temperature F 31 18 12 20 15 25 21 10 8 2 12 29 22 8 25 12 12 16 22 Snow Cover (inches) 0.6 0 2.6 1.4 1 0.5+ 0 0 0.5 5 2.3 0.3 4 0 0 6-10 4 4 5 5 0	Total Species Observed Total Individuals Counted Count Code Count Code Count Code Count Code Unidentified Groups Scaup Sp Duck Sp Accipter Sp Buteo Sp Gull Sp Owl Sp Warbler Sp Sparrow Sp Blackbird Sp Total Unidentified Ind. Count Code Date of Count Start Time (a.m.) End Time (p.m.) Observer Data No. Observer in Field No. Field Parties Field Hours by Car Field Miles by Car Field Miles by Boat Total Field Miles Observers at Feeders Hours of Hours Field Miles by Boat Total Field Miles Observers at Feeders Hours of Fields Hours at Feeders Hours of Wing Miles Owling	INAC INAC INAC INAC INAC INAC INAC INAC	INBO INBO INBO INBO INBO INBO INBO INBO	300 ILCR 300 300 ILCR 300 ILCR 300 ILCR 12/26 7:00 4:30 8 6 9.75 10.5 20.25 8.11 10.6 114.1 4 8 0 0	S55 S2 S39 S2 S39 S2 S39 S	68 6,315 INEC 5 INEC 21 INEC 12/19 ns ns 34 133 ns ns 141.5 5 8 5	81 20,268 INEH 6 INEH 21 21 4:30 5:00 34,13 35 68 28,25 429 5.5 462,8 29 68 4.5	20 20 20 20 20 20 20 20 20 20	34 3,435 Farm 8 Farm 12/18 8:00 6:30 4 2 2 4 11.5 15.5 17.7 186.2 187.9 0 0 0 1.15	53 5,460 9 INFW 12/18 7:15 5:15 15 6 6 11.75 30.5 42.25 368.5 379 4 9 2 2	INGP 10 INGP 10 INGP 12/15 2:15 5:30 43, 13, 59,55 42,27 101.8 44,21 386.61 2 6 6	INHC 12/18 6:30 3:00 41 5.25 26.25 147.5 0 0	INHM 1/1 8:00 8:00 14:25 14:25 14:9 0.5 154:75 2 2 1 1	31 1,795 HunC 13 HunC 13 HunC 171 7:30 4:30 2 6 8 8 0 33 33 0 0	INID INID 14 INID 12/18 5:30 5:00 32 15 47.75 387.50 6 6 6 6 6 14 17 18 18 18 18 18 18 18 18 18 18	1NDW 12/29 7:00 2:00 4 4 12 0 17.00 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	ININ 12/18 7:30 21.52 31.5 15 271.8 46.5 23.75 248 44 44 41	INJT 12/18 5:30 5:15 8 4 7.5 16.5 244 6.24 0 0 0 3 3	INJC INJC INJC 18 INJC 12/19 6:00 4:00 10.3 24.1 34.4 9.7 116 0.0 0.1.5	755 30,326 INKC 19 INKC 11 1 1 INKC 1/2 5.35 5:20 18 8 6 5.67 43.63 49.3 465.3 469.30 7 7
Show Cover (inches) 0 2-6 1-4 1 0.5+ 0 0.5 5 2-3 0.3 4 0 0 6-10 4 4 5 5 0 0 Precipitation (inches) 0.6 0 0.5 0 0 0 0 0 0 0 0 0	Total Species Observed Total Individuals Counted Count Code Count Code Count Code Count Code Unidentified Groups Scaup Sp Duck Sp Accipter Sp Buteo Sp Gull Sp Owl Sp Total Unidentified Ind. Count Code Date of Count Start Time (a.m.) End Time (p.m.) Observer Data No. Field Parties Field Hours by Gar Field Hours by Boat Total Field Hours Field Hours by Car Field Miles on Foot Field Miles on Foot Field Miles on Foot Field Miles by Car Field Miles on Foot	INAC INAC INAC INAC INAC INAC INAC INAC	INBO INBO INBO INBO INBO INBO INBO INBO	300 ILCR 300 ILCR 300 ILCR 300 ILCR 12/26 7:00 4:30 8 6 9.75 10.5 20.25 8.1 106 114.1 4 8 0 0	INCN	68 6,315 INEC 5 INEC 21 INEC 12/19 ns ns 50.5 ns ns 141.5 5 8 5 2	81 20,268 INEH 6 INEH 21 21 4:30 5:00 34,13 35 68 28,25 429 5.5 462,8 40,2 462,8 40,2 462,8 40,2 40,2 40,2 40,2 40,2 40,2 40,2 40,2	20 INEV 20 INEV 20 20 INEV 12/18 5:00 5:30 26 8 24 44 68 9 475 494 8 13 1.5 8	34 3,435 Farm 8 Farm 12/18 8:00 6:30 4 2 4 4 11.5 15.5, 7, 186.2 187.9 0 0 0 1.15 4	INFW INFW INFW INFW INFW INFW INFW INFW	INGP 10 INGP 10 INGP 12/15 2:15 5:30 43 13 59.55 42.27 101.8 44.21 386.61 2 6 6 13 64.3	INHC 11/18 1	INHM 1/1 8:00 8:00 142.55 14.25 154.76 2 2 1 5.5	HunC 13 HunC 13 HunC 14 HunC 17 17 7:30 4:30 2 6 8 8 0 0 3 3 3 3 3 0 0 0 0	INID 11.421 INID 14 INID 12/18 5:30 5:00 32:15 47.75 39.75 87.50 66 1.75 32.5	INDW 15 INDW 15 INDW 12/29 7:00 2:00 4 4 12 0 12/29 0 17.00 0 0 0	ININ 12/18 7:30 5:30 5:30 46.5 23.75 44.5 248 4 4 1 1	INJT 12/18 5:30 5:15 8 4 7.5 16.5 244 6.25 249.25 0 0 3 0.5	INJC INJC INJC 18 INJC 12/19 6:00 4:00 10.3 24.1 34.4 9.7 116 0 0 0.5 1.5	7530,326 INKC 19 INKC 19 INKC 19 INKC 19 INKC 19 INKC 10 INKC 19 INKC 172 5.35 5.20 49.3 465.3 469.30 7 7 5.9 48.8
Precipitation (inches)	Total Species Observed Total Individuals Counted Count Code Count	INAC INAC INAC INAC INAC INAC INAC INAC	INBO INBO INBO INBO INBO INBO INBO INBO	300 ILCR 300 ILCR 300 ILCR 300 ILCR 12/26 7:00 4:30 8 6 6 7 10.5 10.5 20.25 8.1 106 114.1 8 8 0 0	INCN 12/21 ns ns 12/22 ns ns ns 22 ns ns ns 32 24 ns ns ns 32 25 ns ns ns 32 26 ns ns ns 12/25 ns ns ns 12/25 ns ns ns 12/25 ns ns ns 13/25 ns	68 6,315 INEC 5 INEC 21 INEC 12/19 ns ns 34 13 ns ns 50.5 ns ns 141.5 8 5 2	81 20,268 INEH 6 INEH 21 	22,215 INEV 7 INEV 20 20 INEV 12/18 5:00 5:30 26 8 44 44 68 19 475 494 81 31 1.5 8	34 3,435 Farm 8 Farm 12/18 8:000 6:30 4 2 2 11.5 17.7 186.2 187.9 0 0 0 1.15 4	INFW INFW 12/18 7:15 5:15 42.25 10.5 368.5 379 9 2 8.5	103 77,988 INGP 10 INGP 12/15 2:15 5:30 43 13 59.55 42.27 101.8 44.21 342.4 386.61 2 6 13 64.3	INHC INHC INHC INHC INHC INHC INHC INHC INHC INHC INHC 12/18 6:30 3:00 41 9:21 5.25 20 127.5 147.5 0 0 0	INHM 12 INHM 12 INHM 1/1 8:00 8:00 14.25 14.25 14.25 154.75 5.25 149 0.5	HunC 13 HunC 13 HunC 14 HunC 17 17:30 4:30 2 1 1 2 6 8 0 33 33 0 0 0	11,421 INID 14 INID 12/18 5:30 5:00 32 47.75 43,344.5 387.5 43,344.5 36,56 15,47.5 32,5	26 548 INDW 15 INDW 12/29 7:00 2:00 4 4 4 12 12 0 17,00 0 0 0 0	ININ 12/18 7:30 5:30 5:30 21 12 23.75 248 4 4 4 1 1 1 226	INJT INJT INJT 12/18 5:30 5:15 4 7.55 16.5 24 6.25 243 249.25 0 0 3 0.5	INJC INJC 12/19 6:00 4:00 10.3 24.1 34.4 9 107 11.5	75 30,326 30,326 1NKC 19 INKC 19 INKC 11 1 1 INKC 1/2/5:35 5:20 18 6 5.67 43.63 49.3 44.3 465.3
Cloud Cover a.m. (%)	Total Species Observed Total Individuals Counted Count Code Count Code Count Code Count Code Unidentified Groups Scaup Sp Duck Sp Accipter Sp Buteo Sp Gull Sp Owl Sp Owl Sp Total Unidentified Ind. Count Code Date of Count Start Time (a.m.) End Time (a.m.) End Time (p.m.) Observer Data No. Observers in Field No. Field Parties Field Hours by Boat Total Field Hours Field Miles by Car Field Miles by Coar Field Miles on Foot Field Miles by Coar Field Miles by Coar Field Miles on Foot Field Miles by Coar Field Miles by Coar Field Miles by Coar Field Miles Dosarvers at Feeders Hours at Feeders Hours owning Miles Owling Weather/Count Day High Temperature F Low Temperature F	INAC 1/1 8:00 4:30 17.6 191.8 2 2 0 0 0 45 31	INBO INBO INBO INBO INBO INBO INBO INBO	300 ILCR 300 ILCR 300 ILCR 300 ILCR 12/26 7:00 4:30 8 6 9.75 10.5 20.25 21 106 114.1 4 8 0 0	S55 2,393 NCN 4 INCN 4 INCN 12/21 ns ns ns ns ns ns ns n	68 6,315 INEC 5 INEC 21 INEC 12/19 ns ns 5.0.5 ns 141.5 5 8 5 2	81 20,268 INEH 6 INEH 21 21 21 4:30 5:00 31.5 68 28.25 429 5.5 462.8 28 462.8 29 68 4.5 2	22,215 INEV 7 INEV 20 20 20 INEV 12/18 5:00 5:30 26 8 24 44 68 19 475 494 8 13 1.5 8	34 3,435 Farm 8 Farm 12/18 8:00 6:30 4 2 2 4 4 11.5 15.5 1.7 186.2 187.9 0 0 1.15 4	53 5,460 0 INFW INFW 1NFW 12/18 7:15 5:15 42.25 368.5 379 4 9 2 8.5	INGP 10 INGP 10 INGP 12/15 2:15 5:30 43 13 59.55 42.27 101.8 44.21 342.4 386.61 2 6 13 64.3	INHC 12/18 6:30 3:00 127.5 147.5 0 0 0 0 0 0 26 12	INHM 1/1 8:00 8:00 15:25 14:25 149 0.5 154:75 22 2 1 5.5	31 1,795 HunC 13 HunC 	INID 11.421 INID 14 INID 12/18 5:30 5:00 32:15 47.75 87.53 39.75 87.54 47.75 32.5 88.8 88.8 88.8 88.8 88.8 88.8 88.8 8	26 548 INDW 15 INDW 12/29 7:00 2:00 4 12 12 17 0 17.00 0 0 0 0	NIN NIN 12/18 NIN	INJT 12/18 5:30 5:15 4 7.5 16.5 244 6.25 243 249.25 0 0 3 3 0.5	INJC INJC 18 INJC 12/19 6:00 4:00 10.3 24.1 34.4 9 107 116 0 0 1.5 1.5	755 30,326 INKC 19 INKC 19 INKC 1/2 5.35 5.20 18 8 6 6 5.67 43.63 469.30 7 7 7 5.99 48.8
Wind Speed (mph) V W NW NE unk NW WNW WNW WNW SW-standale calm W W SW SE SW SW W-SW W-SW SW SW SW WW W-SW SW SW SW W-SW SW SW SW W-SW SW W-SW SW SW SW W-SW SW W-SW SW SW SW W-SW SW SW SW W-SW SW SW SW SW SW W-SW SW	Total Species Observed Total Individuals Counted Count Code Count Code Count Code Count Code Unidentified Groups Scaup Sp Duck Sp Accipter Sp Buteo Sp Gull Sp Owl Sp Warbler Sp Sparrow Sp Blackbird Sp Total Unidentified Ind. Count Code Date of Count Start Time (a.m.) End Time (p.m.) Observer Data No. Observers in Field No. Field Parties Field Hours by Car Field Miles by Car Field Miles by Boat Total Field Miles Observers at Feeders Hours at Feeders Hours at Feeders Hours Owling Miles Owling Miles Owling Weather/Count Day High Temperature F Snow Cover (inches)	INAC 1/1 8:00 4:30 0 191.8 191.8 2 2 0 0 0 0.6 6 1 0 0.6	INBO INBO INBO INBO INBO INBO INBO INBO	300 ILCR 300 ILCR 300 ILCR 300 ILCR 12/26 7:00 4:30 9:75 10:5 20:25 8:6 9:75 10:6 114.1 4:8 0 0 0 12/26 114.1 4:8 0 0 0 12/26 114.1 14.1 15/26 16/26	INCN 12/21 ns ns ns 126 0 0 0 0 0 32 2 0 1 1	68 6,315 INEC 5 INEC 21 INEC 12/19 ns ns 50.5 ns 141.5 5 2 26 15 0.5+	81 20,268 INEH 6 INEH 21 21 INEH 1/1 4:30 5:00 34,13 35 1.5 6.88 28.25 462.8 29 462.8 29 45.5 462.8 20 40 40 40 40 40 40 40 40 40 40 40 40 40	20 INEV 7 INEV 20 20 INEV 12/18 5:30 5:30 68 24 44 44 68 19 475 494 8 13 1.5 8 21 0.5 0	34 3,435 Farm 8 Farm 12/18 8:00 6:30 4 2 2 4 11.5 1.7 186.2 187.9 0 0 1.15 4	INFW 12/18 7:15 5:15 5:15 5:15 5:15 368.5 379 4 9 2 2 8.5 368.5 379 4 8 8 8 8 2-3 3 0 0	INGP 10 INGP 10 INGP 12/15 2:15 5:30 43 13 59.55 42.27 101.8 44.21 342.4 386.61 2 6 13 64.3	INHC 11/18/6:30 3:209 INHC 11/18/6:30 3:00 41/19/2:15 26:25 26:25 147.5 0 0 0 0	INHM 1/1 8:00 8:00 14.25 14.25 14.25 14.25 15.25 15.5 5.2 29 0 0.44	31 1,795 HunC 13 HunC 13 HunC 1/1 7:30 4:30 2 1 2 6 8 0 33 33 0 0 0 0 0	INID 12/18 5:30 5:00 6:5 87.5 87.5 87.5 86-110 0 0	1NDW 12/29 7:00 2:00 4 4 12 17 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Section	INJT 17 INJT 17 INJT 12/18 5:30 5:15 4, 7.5 16.5 243 249.25 0 0, 3 3, 0.5	INJC INJC INJC 12/19 6:00 4:00 10.3 24.1 116 0 0 1.5 1.5	755 30,326 INKC 19 INKC 11 1 INKC 1/2 5:35 5:20 18 86 6 5.67 49:33 469:30 7 7 5.99 48:8
Wind Speed (mph) 21-29 0-5 5-15 5-10 0-5 9-22 0-10 5-10 8-13 1-7 5-7 14 5-10 to 20 7-13 5-10 4 4-10 Standing Water (% open) 50 10 50 po po 30 0 0 0 10 5 70 50 0 20 10 0 20 95	Total Species Observed Total Individuals Counted Count Code Count Code Count Code Count Code Count Number Count Code Unidentified Groups Scaup Sp Duck Sp Duck Sp Buteo Sp Gull Sp Owl Sp Sparrow Sp Blackbird Sp Total Unidentified Ind. Count Code Date of Count Start Time (a.m.) End Time (p.m.) Observer Data No. Observers in Field No. Field Parties Field Hours by Car Field Hours by Boat Total Field Hours Field Hours by Boat Total Field Hours Field Hours by Boat Total Field Hours Field Miles by Car Field Miles by Car Field Miles by Boat Total Field Hours Field Miles on Foot Field Miles Observers at Feeders Hours at Feeders Hours Owling Meather/Count Day High Temperature F Low Temperature F Snow Cover (inches) Precipitation (inches) Cloud Cover a.m. (%)	INAC 1/1 8:00 4:30 17.6 191.8 191.8 2 2 0 0 0 0.6 110 0 0.6 110 0	INBO 12/18 8:00 6:00 188 5.5 5.5 113 118.5 0 0 0 0 26 18 2-6 0 pc	300 ILCR 300 ILCR 300 ILCR 300 ILCR 300 ILCR 12/26 7:00 4:30 8 6 9.75 10.5 20.25 8.11 8.0 114.1 4.8 8.0 0.0 266 112-1-4 0.5 50	S55 2,393 NCN 4 INCN 4 INCN 12/21 INCN 12/21 INCN 12/21 INCN 12/21 INCN INCN 12/21 INCN IN	21 INEC 12/19 ns ns 141.5 5 8 8 6 9 15 0.5+ 0 0 0 0 0	81 20,268 INEH 6 INEH 21 21 	20 INEV 20 INEV 20 20 INEV 12/18 5:00 5:30 26 44 48 49 475 494 88 13 1.5 8 21 0.5 0 5 5	34 3,435 Farm 8 Farm 12/18 8:00 6:30 4 2 4 4 11.5 15.5,1,7 186.2 187.9 0 0 0.1.15 4 2 11.0 10.0 10.0 10.0	INFW	INGP 10 INGP 10 INGP 12/15 2:15 5:30 43, 13, 59.55 42.27 101.8 44.21 386.61 2 6 6 13 64.3 0 0 95	INHC 12/18 6:30 3:00 41 5.25 26.25 147.5 0 0 0 12/6 14/7.5 14/7.5 14/7.5 14/7.5 14/7.5 14/7.5 14/7.5 14/7.5 14/7.5 14/7.5 14/7.5 14/7.5 14/7.5 14/7.5	INHM 1/1 8:00 8:00 154.75 124.75 154.	31 1,795 HunC 13 HunC 14 HunC 17 7:30 4:30 2 6 8 8 0 0 0 0 0 0 0	INID 11.421 INID 14 INID 12/18 5:30 5:00 32 5:47.75 32.5 8 6-10 0 0 25 5:50 11.42 11	1NDW 12/29 7:00 2:00 4 4 12 17:00 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	NIN	INJT 12/18 5:30 5:15 44 7.5 16.5 249.25 249.25 0 0 3 0.5	INJC 12/19 6:00 4:00 10.3 24.1 134.9 10.7 116.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1	7530,326 NKC 19 NKC 19 NKC 19 NKC 19 NKC 19 NKC 10
Standing Water (% open) 50 10 50 po po 30 0 0 0 10 5 70 50 0 20 10 0 20 95	Total Species Observed Total Individuals Counted Count Code Code Code Code Code Code Code Code	INAC INAC INAC INAC INAC INAC INAC INAC	INBO INBO INBO INBO INBO INBO INBO INBO	300 ILCR 300 ILCR 300 ILCR 12/26 7:00 4:30 8 6 9.75 10.5 20.25 8.1 106 114.1 8 8 0 0 0 26 12 1-4 0.5 500	INCN IN	68 6,315 INEC 5 INEC 21 INEC 12/19 ns ns 50.5 ns ns 141.5 5 2 26 15 0.5+ 0.0 0 0	81 20,268 INEH 6 INEH 21 	20 INEV 7 INEV 20 20 INEV 12/18 5:00 5:30 26 8 44 44 475 495 495 495 495 495 495 495 49	34 3.435 Farm 8 Farm 12/18 8:000 6:30 4 4:2 4:11.5 11.5 17.7 186.2 187.9 0 0 1.15 4 4 10.0 10.0 10.0 10.0 10.0 10.0 10.0	53 5,460 9 INFW 9 INFW 12/18 7:15 5:15 5:15 6 6 11.75 368.5 379 4 9 2 2 8.5 24 8 8 2-3 3 0 3 0 40	103 77,988 INGP 10 INGP 12/15 2:15 5:30 43,13 59.55 42.27 101.8 44.21 342.4 386.61 2 6 6 133 64.3 0 95 95	INHC INHC INHC INHC INHC INHC INHC INHC	8.50 INHM 1/1 8:00 8:00 14:05 14:25 14:9 0.5 15:5 15:5 15:5 15:5 15:5 15:5 15:5 15	31 1,795 HunC 13 HunC 143 HunC 1/1 7:30 4:30 2 6 8 8 0 33 33 0 0 0 0 0 0 0 0 0 0 0 0 0 0	INID 14 INID 14 INID 12/18 5:30 5:00 32 15 47.75 87.5 87.5 6 16 47.75 32.5	26 548 INDW 15 INDW 18 INDW 12/29 7:00 2:00 4 4 12 12 17 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	ININ 12/18 12/18 15/20 16/20 1	INJT 17 INJT 17 INJT 12/18 5:30 5:15 244 6.25 243 249.25 0 0 3 0.5	INJC INJC	10 INKC INKC INKC INKC INKC INKC INKC INKC
	Total Species Observed Total Individuals Counted Count Code Code Code Code Code Code Code Code	INAC 1/1 8:00 4:30 17.6 191.8 2 2 0 0 0 6 6 100 80 W	INBO INBO INBO INBO INBO INBO INBO INBO	300 ILCR 300 ILCR 300 ILCR 300 ILCR 12/26 7:00 4:30 8 6 9.75 10.5 20.25 21 106 114.1 4 8 0 0 26 12 1-4 0.5 50 100 NW	S55	68 6,315 INEC 5 INEC 12/19 ns ns 50.5 ns 141.5 5 8 5 2 26 15 0.5+ 0.0 0 0 pc unk	81 20,268 INEH 6 INEH 21 21 INEH 1/1 4:30 5:00 31.5 68 28.25 429 5.5 462.8 8 4.5 2 9 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	20 INEV 7 INEV 20 20 20 20 20 12/18 5:00 5:30 26 8 24 44 68 13 1.5 8 21 0.5 0 5:30 0 0 0 0 0 0 0 0 0 0 0 0 0	34 3,435 Farm 8 Farm 12/18 8:00 6:30 4 2 2 4 4 11.5 15.5 1.7 186.2 187.9 0 0 1.15 4	INFW 12/18 7:15 5:15 5:15 30.5 42.25 368.5 379 4 9 2 2 4.8 8 2-3 3 0 30 0 SW-W	INGP 10 INGP 10 INGP 12/15 2:15 5:30 42.27 101.8 44.21 342.4 386.61 2 6 13 64.3 0 95 95 95 variable	INHC INHC INHC INHC INHC INHC INHC INHC	INHM 1/1 8:00 8:00 15.5 14.26 15.5 154.75 22 2 1 1 5.5 52 29 0 0 0.4 4 100 100 W	31 1,795 HunC 13 HunC 13 HunC 1/1 7:30 4:30 2 1 2 6 8 0 33 33 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	INID 11.421 INID 14 INID 12/18 5:30 5:00 32 5:00 15:00 16:00	1NDW 12/29 7:00 2:00 4 4 12 17:00 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	NIN NIN 16 NIN NIN 16 NIN NIN NIN NIN 12/18 NIN	INJT 12/18 5:30 5:15 4 7.55 16.5 243 249.25 243 0.5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	INJC INJC 18 INJC 12/19 6:00 4:00 10.3 24.1 34.4 9 107 116 5 0 0 0 SW	10 INKC INKC INKC INKC INKC INKC INKC INKC
Moving Water (% open) 100 10 50 po po 100 15 10 20 0 30 100 50 90 0 90 5 50 95	Total Species Observed Total Individuals Counted Count Code Code Code Code Code Code Code Code	INAC INAC INAC INAC INAC INAC INAC INAC	INBO 2 INBO 12/18 8:00 6:00 6:00 0 0 0 0 0 0 0 0 0 0 0 0 0	300 ILCR 300 ILCR 300 ILCR 300 ILCR 12/26 7:00 4:30 9:75 10:5 20:25 8:6 9:75 10:5 10:5 10:5 10:0 10:0 10:0 NW 5-15 50	555 2,393 INCN 4	68 6,315 INEC 5 INEC 21 INEC 12/19 ns ns s 50.5 ns ns 141.5 5 8 5 2 2 26 10.5+ 0 0 0 0 pc unk	81 20,268 INEH 6 INEH 21 INEH 1/1 4:30 5:00 34,3 35 31.5 6.88 28.25 462.8 29 4.5 20 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	20 INEV 7 20 20 20 INEV 12/18 5:00 5:30 24 444 68 24 444 68 29 475 494 8 13 1.5 8 21 0.5 0 5 WNW 0 0 10 10 10 10 10 10 10 10	34 3,435 Farm 8 Farm 12/18 8:00 6:30 4 2 2 4 11.5 11.5 1.7 186.2 11.5 0 0 1.15 4 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	INFW 12/18 7:15 5:15 5:15 5:15 368.5 379 4 2.25 368.5 379 4 8.3 30.0 30 400 \$W-W &-13 & 10 & 10 & 10 & 10 & 10 & 10 & 10 &	INGP 10 INGP 10 INGP 12/15 2:15 5:30 43.3 13.59.55 42.27 101.8 44.21 342.4 386.61 2.2 6.3 0.9 95 variable 1-7 10	INHC 11/18/6:30 3:209 INHC 11/18/6:30 3:00 21/15/25/25/25/25/25/25/25/25/25/25/25/25/25	INHM 1/1 8:00 8:00 14:25 14:25 14:25 14:25 15:25 15:25 15:55 15:45 15:55 15:45 15:55 15:45 15:55 15:45 15:55 15:45	31 1,795 HunC 13 HunC 13 HunC 1/1 7:30 4:30 2 1 2 6 8 0 33 33 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	INID 11.421 INID 14 INID 12/18 S:300 5:00 32 15 47.75 39.75 43 344.5 47.75 32.5 8 8 6-10 0 0 25 S SW 5-10 0 0	100 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Section	INJT 17 INJT 17 INJT 12/18 5:30 5:15 4 7.5 16.5 243 249.25 0 0 3 3 0.5 27 12 5 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	INJC INJC 18 INJC 12/19 6:00 4:00 10,3 24.1 116 0 0 1.5,1 15 0 0 0 0 SWW 4 20	1 INKC 1/2 5:35 5:20 6 4:8 8 4 4:8 3 1 4:5 3 4 8:8 4 6:9 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0

	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38
Species	INLA	INLM		INMC	INMO	INMU	INMT	Nwpt	INNL		INOR	INPL	INPR	INPY	INPK	INPC	PutC	INRI	INSB
Gr. White-fronted Goose			87							80									
Snow Goose										18	1					130			
Ross's Goose										3 6	CW								
Cackling Goose Canada Goose	1316	199		297	275	1379	490	3676	344	898	3790	327	1336	168	2126	785	412	2500	1060
Mute Swan	7	100		4	2/0	CW		0070	4	050	0750	2	75		170	,,,,,	7.12.	2000	3
Tundra Swan							15					1							
Wood Duck	3	3							2		3		1					4	3
Gadwall		15					9			6	19	104				8		5	6
American Wigeon	2 6		3							12	1	10							
American Black Duck		3	23	45	004	4	12		0.4	4	86	30	440	400	8	30	407	4	2
Mallard Blue-winged Teal	646	81	4	45	331	558	251	66	34	255	673	484	112	100	1086	115	127	340	1546
Northern Shoveler	2	2			2				2	1	7								
Northern Pintail		3							2	2		1				16			
Green-winged Teal	4						2	1											
Canvasback	2								1	1	1			2					
Redhead	2	5						3			2		2						
Ring-necked Duck	4							3		7	8					50			
Greater Scaup																			
Lesser Scaup	23				5					3	CW		7		1				
Harlequin Duck																			
Surf Scoter White-winged Scoter																			
Black Scoter										-									
Long-tailed Duck																			
Bufflehead		27			2				18	3	8	37	3	2	1				4
Common Goldeneye	8	35			6		4	50	.5		1	7	18	1	1				2
Hooded Merganser	2	310					3	6	1	33	13	208				5		1	57
Common Merganser	41	18						18											9
Red-breasted Merganser		13										9				\Box			1
Ruddy Duck	2							2			31	2	7	8	17		3		
Ring-necked Pheasant	3	~ .		~ -					40		4-1		1		171			40	7
Wild Turkey Northern Bobwhite	5	94	2	81	4		16	55	48	39 18	174	14	19		171	6	30	40	81
Common Loon		20		6						16		7				-		11	
Pied-billed Grebe	1	10				2		1	2	1	8	43	1		1				10
Horned Grebe	<u> </u>	6				1		, i	1	- '1	3	8	- 1	1					
Western Grebe																			
Double-crested Cormorant		1								- 1						1			10
Great Blue Heron	107	29	5	3		2	2	22		7	37	19			3	13	3	4	6
Blk-crowned Night-Heron																			
Black Vulture		4			8		16				17								
Turkey Vulture		27		8			3			2	7	2		21	1	29	17	1	
Osprey	21										1								
Bald Eagle Northern Harrier	6	22 3	3	4	1	1	2			6 19	13 5	6 5	2	2	2		4	1	1
Sharp-shinned Hawk	2	3		2	- '		3			3	1	2	2		1			1	3
Cooper's Hawk	8	4		2	4	CW	2		3	5	11	4	5	3	8		2	4	10
Red-shouldered Hawk	CW	15		9	2		10		6	6		20	CW	2		4	9	-	2
Red-tailed Hawk	52	50	8	36	10	23	14		8	47	51	34	28	17	58		34	15	33
Rough-legged hawk	10	2		2				5	1	12	1		3	5	4		1		1
Golden Eagle		3						1											
American Kestrel	5	6	7	9	17	3	4	5		22	12	20	6	3	7	29	3	3	2
Merlin		1														1			
Peregrine Falcon															_				2
Virginia Rail American Coot		25				CW			133		37	119	68	106	43				16
Sandhill Crane		25				CVV	96		133	- 1	31	119	00	100	43				10
Killdeer	3	1		1			50			- 1	1								
Wilson's Snipe	3 7											1			1				1
Black-legged Kittiwake																			
Bonaparte's Gull		56														4			20
Ring-billed Gull	18	142			3			159	3	16	14	256				77		350	128
Herring Gull		1						1										1	11
Thayer's Gull																			
Iceland Gull																			
Lesser Black-backed Gull Slaty-backed Gull																			
Glaucous Gull																			
Gr Black-backed Gull																			
Pomarine Jaeger																			
Rock Pigeon	408	105	4	100	126	289	27	105	13	66	1013	92	93		41	196	50	191	452
Eurasian Collared-Dove										1			6						
Mourning Dove	301	333	139	324	448	104	37	278	70	272	375	250	294	79	240	292	215	220	334
Monk Parakeet																			
Barn Owl	L			4.7				_		_	_	_							
Eastern Screech-Owl	4	34		11	_			5		8	2	7		1				4	1
Great Homed Owl Barred Owl	2	13		3			1		2	16	1	1		3	1	1 4		1	- 1
Long-eared Owl	3 2	11		9			4		2	5 1		2 1			 1	4			
Short-eared Owl				2						8									
Northern Saw-whet Owl		3		2															
Belted Kingfisher	10	9	2	5	1	CW	2	5		2	11	5	2	2		2	1	3	2
Red-headed Woodpecker		7		18	5		19		1	4		7	9			15			1
Red-bellied Woodpecker	86	136	5	83	32	14	43	33	2	36	66	67	19		33	76	30	19	1 53
Yellow-bellied Sapsucker	3	9	1	11				3		2	4	4				2		2	1
Downy Woodpecker	86	127	7	66	30	20	43		28	29		56	36		47	68	28	17	48
11 1 - 1 - 1 \ 1 \ 1 - 1 - 1 - 1 - 1 - 1	10	25		15	2	5	5		4	6	5	17	7				1	4	10
Hairy Woodpecker	35	34	6	25	18	5	35		1	18	25	50	9				7	5	26
Northern Flicker		83	1	26	5	2	19	8	CW	8	15	34	1	1	10	5	2	4	2
Northem Flicker Pileated Woodpecker	10									3									
Northem Flicker Pileated Woodpecker Eastern Phoebe	10									- 1					-				
Northern Flicker Pileated Woodpecker Eastern Phoebe Northern Shrike		200	7	400	445	0.4	450	F.0	F0	101	50	101	107	20	142	75	20	200	450
Northern Flicker Pileated Woodpecker Eastern Phoebe Northern Shrike Blue Jay	97	322 518	7 94	128 972	115 135	24 49	158		50 121	161 193	56 1140	191 285	127 244	38	142		20 123	26	153 1442
Northem Flicker Pileated Woodpecker Eastern Phoebe Northem Shrike Blue Jay American Crow	97 2880	518	7 94	972	135	49	158 22	535	121	193	1140	285	244	80	142 212	11898	123	209	153 1442
Northern Flicker Pileated Woodpecker Eastern Phoebe Northern Shrike Blue Jay	97							535 29							142	11898			

Black-capped Chickadee									43				56	57	92				113	Black-capped Chickadee
Tufted Titmouse	90	356	16	169	50	23	79		22	57	170	83		43	63	68	25		76	Tufted Titmouse
Red-breasted Nuthatch	1	44				1	6			14		4		2	2			2		Red-breasted Nuthatch
White-breasted Nuthatch	78	220	5	85	39	20	39	44	20	31	50	46		32	80		14	16	92	White-breasted Nuthatch
Brown Creeper Carolina Wren	8 29	16 66		12 9	8	3	22	11		29	6 61	1 29		1 5	6		3	11	- 4	Brown Creeper Carolina Wren
Winter Wren	2.5	2		1	- 0	3	- 22	1		1	1	25		3		20	3	- 11	· '	Winter Wren
Golden-crowned Kinglet	9			46	2		24	3	2	3	34	32	4	5	12	6	CW	5		Golden-crowned Kinglet
Ruby-crowned Kinglet	3									1		2				1				Ruby-crowned Kinglet
Eastern Bluebird	33		6	131	12	1	52	30	9	43	34	135	73	11	67	7	24		61	
Swainson's Thrush		1										_								Swainson's Thrush
Hermit Thrush Varied Thrush	2	20		1						2		5								Hermit Thrush Varied Thrush
American Robin	2214	88	1	114	214	66	32	130	1	63		291	6	2	1	91	1	99	44	
Gray Catbird	CW	- 00				- 55		100		- 00		20.		_		0.		- 00		Gray Catbird
Northern Mockingbird	1	23	1	6	1	2	2	1		28	23	25		2		5	1	1		Northern Mockingbird
Brown Thrasher																		1		Brown Thrasher
European Starling	18611	620	63	788	1286	904	163	1272	4501	3552	7315	1200	482	277	489	7008	690	1088	1283	
American Pipit	1	12 55		-	_	1			76	00	2 144	102	CW	70	35		CW	-	75	American Pipit
Cedar Waxwing Yellow-rumped Warbler	94			5 4	2	'	1	2		22	27	41		3	1		CVV	1		Cedar Waxwing Yellow-rumped Warbler
Eastern Towhee	7	39		40	2	CW	39			4	53	28		1	1		2			1 Eastern Towhee
American Tree Sparrow	473	437	1	164	15		140			111	1345	79		94	529		161		164	
Chipping Sparrow																		1		Chipping Sparrow
Field Sparrow	4	27		32				1		6	4	14		1		7				Field Sparrow
Vesper Sparrow	2		-					1 2		1	44									Vesper Sparrow
Savannah Sparrow			1	2	6		11			1	11	7				2	- 1	2		Savannah Sparrow
Fox Sparrow Song Sparrow	6 94	295	7	94	31	18	100	125	3		49 407	118	6	7	8		45	49	10	Fox Sparrow Song Sparrow
Lincoln's Sparrow	1	200						.20	J	.,	1					- 01	.0		- 10	Lincoln's Sparrow
Swamp Sparrow	4	52		13			33			4	99	26		1		10	1	4		Swamp Sparrow
White-throated Sparrow	43	96	3	34	14	CW	57	14		48	299	67		1	3	66	6	12	2	White-throated Sparrow
Harris's Sparrow		1	ļ																	Harris's Sparrow
White-crowned Sparrow Dark-eyed Junco (Slate)	9 322	30 896		33 213	7 126	4 67	14 76		123	52 137	267 98	38 470		11 190	229	34 88	95 315		400	1 White-crowned Sparrow 9 Dark-eyed Junco (Slate)
Lapland Longspur	116	31	61	213	120	67	10	212	123	13/	98	4/0	359	36	42		10			Lapland Longspur
Snow Bunting	17	31						1	12		'I	'	15	36	520		10	3		Snow Bunting
Northern Cardinal	217	549	42	246	97	57	157		62	170	451	227		65	115		180			
Indigo Bunting																		1		Indigo Bunting
Red-winged Blackbird	2			1				1		1561	70	1				9945		1		Red-winged Blackbird
Eastern Meadowlark	4			7	1		-	9		70	00	17				32	7	2		Eastern Meadowlark
Rusty Blackbird Brewer's Blackbird		10					5				89 3					29				Rusty Blackbird Brewer's Blackbird
Common Grackle	52	4		6	1		1	2		10555	38		····			37991	1	CW		Common Grackle
Brown-headed Cowbird	79			17				93	127	71	13		1	126	2			CW		Brown-headed Cowbird
Purple Finch		35	1	7			6	1			4	33	CW		1	5	8	1	8	Purple Finch
House Finch	193	17	9	77	44	51	16	57	40	19	118	29	38	72	105	2	33	14	132	
Common Redpoll																				Common Redpoll
Pine Siskin American Goldfinch	2 89	324	25	162	119	CW 86	107	28	29	41	274	112		47 70	12 208		2 60		200	
House Sparrow						00	107		29	41	2/4	112	45							American Goldlinch
		60	38	7.4	61	326	27		7/	102	73	92	387	707	473	310	207	285	281	1 House Sparrow
	609	60 91			61 51	326 38	27 60	256	74 46	192	73 84	92 79		707 58	473 64		297			
Total Species Observed	83	91	37	67	51	38	60	256 70	46	82	84	79	53	58	64	69	48	62	69	Total Species Observed
Total Species Observed Total Individuals Counted	_		37	67	51	38	_	256 70 8,170	46		84		53	58	64			62	8,918	Total Species Observed Total Individuals Counted
Total Species Observed	83 30,124	91 9,085	37 693	5,322	51 3,836	38 4,279	60 2,681	256 70	46 6,077	82 19,465	84 22,367	79 6,451	53 4,772	58 2,821	64 7,667	69 70,954	48 3,345	62 6,782	69	Total Species Observed
Total Species Observed Total Individuals Counted Count Code Count Number	83 30,124 INLA 20	91 9,085 INLM 21	693 INMG 22	5,322 INMC 23	3,836 INMO 24	38 4,279 INMU 25	2,681 INMT 26	256 70 8,170 Nwpt 27	6,077 INNL 28	19,465 INOC 29	84 22,367 INOR 30	79 6,451 INPL 31	4,772 INPR 32	2,821 INPY 33	7,667 INPK 34	69 70,954 INPC 35	3,345 PutC 36	62 6,782 INRI 37	8,918 INSB 38	Total Species Observed Total Individuals Counted Count Code Count Number
Total Species Observed Total Individuals Counted Count Code Count Number Count Name	83 30,124 INLA	91 9,085 INLM	37 693 INMG	5,322 INMC 23	51 3,836 INMO	38 4,279 INMU	2,681 INMT 26	256 70 8,170 Nwpt	46 6,077 INNL	82 19,465 INOC	84 22,367 INOR	79 6,451 INPL	4,772 INPR	58 2,821 INPY	7,667 INPK	69 70,954 INPC	3,345 PutC	62 6,782 INRI	8,918 INSB	Total Species Observed Total Individuals Counted Count Code Count Number Count Code
Total Species Observed Total Individuals Counted Count Code Count Number Count Name Unidentified Groups	83 30,124 INLA 20	91 9,085 INLM 21	693 INMG 22	5,322 INMC 23	3,836 INMO 24	38 4,279 INMU 25	2,681 INMT 26	256 70 8,170 Nwpt 27	6,077 INNL 28	19,465 INOC 29	84 22,367 INOR 30	79 6,451 INPL 31	4,772 INPR 32	2,821 INPY 33	7,667 INPK 34	69 70,954 INPC 35	3,345 PutC 36	62 6,782 INRI 37	8,918 INSB 38	Total Species Observed B Total Individuals Counted Count Code Count Number Count Code Unidentified Groups
Total Species Observed Total Individuals Counted Count Code Count Number Count Name Unidentified Groups Scaup Sp	83 30,124 INLA 20	91 9,085 INLM 21	693 INMG 22	5,322 INMC 23	3,836 INMO 24	38 4,279 INMU 25	2,681 INMT 26	256 70 8,170 Nwpt 27	6,077 INNL 28	82 19,465 INOC 29 INOC	84 22,367 INOR 30	79 6,451 INPL 31	4,772 INPR 32	2,821 INPY 33	7,667 INPK 34	69 70,954 INPC 35	3,345 PutC 36	62 6,782 INRI 37	8,918 INSB 38	Total Species Observed Total Individuals Counted Count Code Count Number Count Code Unidentified Groups Scaup Sp
Total Species Observed Total Individuals Counted Count Code Count Number Count Name Unidentified Groups	83 30,124 INLA 20	91 9,085 INLM 21	693 INMG 22	5,322 INMC 23	3,836 INMO 24	38 4,279 INMU 25	2,681 INMT 26	256 70 8,170 Nwpt 27	6,077 INNL 28	19,465 INOC 29	84 22,367 INOR 30	79 6,451 INPL 31	4,772 INPR 32	2,821 INPY 33	7,667 INPK 34	69 70,954 INPC 35	3,345 PutC 36	62 6,782 INRI 37	8,918 INSB 38	Total Species Observed B Total Individuals Counted Count Code Count Number Count Code Unidentified Groups
Total Species Observed Total Individuals Counted Count Code Count Name Unidentified Groups Scaup Sp Duck Sp Accipter Sp Buteo Sp	83 30,124 INLA 20	91 9,085 INLM 21	693 INMG 22	5,322 INMC 23	3,836 INMO 24	38 4,279 INMU 25	2,681 INMT 26	256 70 8,170 Nwpt 27	6,077 INNL 28	82 19,465 INOC 29 INOC	84 22,367 INOR 30	79 6,451 INPL 31	4,772 INPR 32	2,821 INPY 33	7,667 INPK 34	69 70,954 INPC 35	3,345 PutC 36	62 6,782 INRI 37	8,918 INSB 38	Total Species Observed Total Individuals Counted Count Code Count Code Unidentified Groups Scaup Sp Duck Sp Accipter Sp Buteo Sp
Total Species Observed Total Individuals Counted Count Code Count Name Unidentified Groups Scaup Sp Duck Sp Accipter Sp Buteo Sp Gull Sp	83 30,124 INLA 20	91 9,085 INLM 21	693 INMG 22	5,322 INMC 23	3,836 INMO 24	38 4,279 INMU 25	2,681 INMT 26	256 70 8,170 Nwpt 27	6,077 INNL 28	82 19,465 INOC 29 INOC	84 22,367 INOR 30	79 6,451 INPL 31	4,772 INPR 32	2,821 INPY 33	7,667 INPK 34	69 70,954 INPC 35	3,345 PutC 36	62 6,782 INRI 37	8,918 INSB 38	Total Species Observed Total Individuals Counted Count Code Count Code Unidentified Groups Scaup Sp Houck Sp Accipter Sp Buteo Sp Gull Sp
Total Species Observed Total Individuals Counted Count Code Count Name Unidentified Groups Scaup Sp Duck Sp Accipter Sp Buteo Sp Gull Sp Owl Sp	83 30,124 INLA 20	91 9,085 INLM 21	693 INMG 22	5,322 INMC 23	3,836 INMO 24	38 4,279 INMU 25	2,681 INMT 26	256 70 8,170 Nwpt 27	6,077 INNL 28	82 19,465 INOC 29 INOC	84 22,367 INOR 30	79 6,451 INPL 31	4,772 INPR 32	2,821 INPY 33	7,667 INPK 34	69 70,954 INPC 35	3,345 PutC 36	62 6,782 INRI 37	8,918 INSB 38	Total Species Observed Total Individuals Counted Count Code Count Code Unidentified Groups Scaup Sp Duck Sp Accipter Sp Buteo Sp Gull Sp Gull Sp Com Sp
Total Species Observed Total Individuals Counted Count Code Count Number Count Name Unidentified Groups Scaup Sp Duck Sp Accipter Sp Buteo Sp Gull Sp Owl Sp Warbler Sp	83 30,124 INLA 20	91 9,085 INLM 21	693 INMG 22	5,322 INMC 23	3,836 INMO 24	38 4,279 INMU 25	2,681 INMT 26	256 70 8,170 Nwpt 27	6,077 INNL 28	82 19,465 INOC 29 INOC	84 22,367 INOR 30	79 6,451 INPL 31	4,772 INPR 32	2,821 INPY 33	7,667 INPK 34	69 70,954 INPC 35 INPC	48 3,345 PutC 36 PutC	62 6,782 INRI 37 INRI	8,918 INSB 38	Total Species Observed Total Individuals Counted Count Code Count Code Unidentified Groups Scaup Sp Duck Sp Accipter Sp Gull Sp Owl Sp Warbler Sp
Total Species Observed Total Individuals Counted Count Code Count Name Unidentified Groups Scaup Sp Duck Sp Accipter Sp Buteo Sp Gull Sp Owl Sp	83 30,124 INLA 20	91 9,085 INLM 21	693 INMG 22	5,322 INMC 23	3,836 INMO 24	38 4,279 INMU 25	2,681 INMT 26	256 70 8,170 Nwpt 27	6,077 INNL 28	82 19,465 INOC 29 INOC	84 22,367 INOR 30	79 6,451 INPL 31	4,772 INPR 32	2,821 INPY 33	7,667 INPK 34	69 70,954 INPC 35	3,345 PutC 36	62 6,782 INRI 37 INRI	8,918 INSB 38	Total Species Observed Total Individuals Counted Count Code Count Code Unidentified Groups Scaup Sp Duck Sp Accipter Sp Buteo Sp Gull Sp Gull Sp Com Sp
Total Species Observed Total Individuals Counted Count Code Count Name Unidentified Groups Scaup Sp Duck Sp Accipter Sp Buteo Sp Gull Sp Owl Sp Warbler Sp Sparrow Sp	83 30,124 INLA 20	91 9,085 INLM 21	693 INMG 22	5,322 INMC 23	3,836 INMO 24	38 4,279 INMU 25	2,681 INMT 26	256 70 8,170 Nwpt 27	6,077 INNL 28	82 19,465 INOC 29 INOC 10 1	84 22,367 INOR 30	79 6,451 INPL 31	4,772 INPR 32	2,821 INPY 33	7,667 INPK 34	69 70,954 INPC 35 INPC	48 3,345 PutC 36 PutC	62 6,782 INRI 37 INRI	8,918 INSB 38	Total Species Observed Brotal Individuals Counted Count Code Count Code Unidentified Groups Scaup Sp Houck Sp Accipter Sp Buteo Sp Gull Sp Owl Sp Warbler Sp Sparrow Sp
Total Species Observed Total Individuals Counted Count Code Count Name Unidentified Groups Scaup Sp Duck Sp Accipter Sp Buteo Sp Gull Sp Owl Sp Warbler Sp Sparrow Sp Blackbird Sp	83 30,124 INLA 20	91 9,085 INLM 21	693 INMG 22	5,322 INMC 23	3,836 INMO 24	38 4,279 INMU 25	2,681 INMT 26	256 70 8,170 Nwpt 27	6,077 INNL 28	82 19,465 INOC 29 INOC 10 1 1	84 22,367 INOR 30	79 6,451 INPL 31	4,772 INPR 32	2,821 INPY 33	7,667 INPK 34	69 70,954 INPC 35 INPC	48 3,345 PutC 36 PutC	62 6,782 INRI 37 INRI	8,918 INSB 38	Total Species Observed Total Individuals Counted Count Code Count Code Unidentified Groups Scaup Sp Duck Sp Accipter Sp Buteo Sp Gull Sp Owl Sp Warbler Sp Sparrow Sp Sparrow Sp Blackbird Sp
Total Species Observed Total Individuals Counted Count Code Count Name Unidentified Groups Scaup Sp Duck Sp Accipter Sp Buteo Sp Gull Sp Owl Sp Warbier Sp Sparrow Sp Blackbird Sp Total Unidentified Ind. Count Code	83 30,124 INLA 20 INLA	91 9,085 INLM 21 INLM	37 693 INMG 22 INMG	INMC	51 3,836 INMO 24 INMO	38 4,279 INMU 25 INMU	INMT	256 70 8,170 Nwpt 27 Nwpt	INNL	82 19,465 INOC 29 INOC 10 1 1 1 5000 5012	84 22,367 INOR 30 INOR	79 6,451 INPL 31 INPL	53 4,772 INPR 32 INPR	58 2,821 INPY 33 INPY	64 7,667 INPK 34 INPK	69 70,954 INPC 35 INPC 1 2 1800 1803 INPC	48 3,345 PutC 36 PutC	62 6,782 INRI 37 INRI	8,918 INSB 38 INSB	Total Species Observed Total Individuals Counted Count Code Count Code Unidentified Groups Scaup Sp Duck Sp Accipter Sp Buteo Sp Gull Sp Owl Sp Warbler Sp Sparrow Sp Blackbird Sp Total Unidentified Ind.
Total Species Observed Total Individuals Counted Count Code Count Number Count Name Unidentified Groups Scaup Sp Duck Sp Accipter Sp Buteo Sp Gull Sp Owl Sp Warbler Sp Sparrow Sp Blackbird Sp Total Unidentified Ind. Count Code Date of Count	83 30,124 INLA 20 INLA	91 9,085 INLM 21 INLM INLM	37 693 INMG 22 INMG INMG	67 5,322 INMC 23 INMC	51 3,836 INMO 24 INMO INMO	38 4,279 INMU 25 INMU	90 2,681 INMT 26 INMT INMT	256 70 8,170 Nwpt 27 Nwpt Nwpt	46 6,077 INNL 28 INNL INNL 12/15	82 19,465 INOC 29 INOC 10 1 1 5000 5012 INOC	84 22,367 INOR 30 INOR	79 6,451 INPL 31 INPL	53 4,772 INPR 32 INPR INPR	58 2,821 INPY 33 INPY INPY	64 7,667 INPK 34 INPK INPK	69 70,954 INPC 35 INPC 11 2 1800 1803 INPC 1/1	12 PutC 12 PutC 12/18	62 6,782 INRI 37 INRI INRI 12/18	69 8,918 INSB 38 INSB	Total Species Observed Total Individuals Counted Count Code Count Code Unidentified Groups Scaup Sp House Sp Accipter Sp Buteo Sp Gull Sp Owl Sp Warbier Sp Sparrow Sp Blackbird Sp Total Unidentified Ind. Count Code
Total Species Observed Total Individuals Counted Count Code Count Name Unidentified Groups Scaup Sp Duck Sp Accipter Sp Buteo Sp Gull Sp Owl Sp Warbler Sp Sparrow Sp Blackbird Sp Total Unidentified Ind. Count Code Date of Count Start Time (a.m.)	83 30,124 INLA 20 INLA INLA INLA 12/18 5:00	91 9,085 INLM 21 INLM INLM 12/18 4:15	37 693 INMG 22 INMG INMG 1.00 7:00	67 5,322 INMC 23 INMC INMC INMC INMC INMC INMC INMC 1/2 ns	51 3,836 INMO 24 INMO INMO 1/1 8:00	38 4,279 INMU 25 INMU INMU 12/18 8:00	90 2,681 INMT 26 INMT INMT 1/11 6:00	256 70 8,170 Nwpt 27 Nwpt Nwpt	INNL 12/15 12/15 12/15	82 19,465 INOC 29 INOC 10 1 1 5000 5012 INOC 1/2 4:45	84 22,367 INOR 30 INOR	79 6,451 INPL 31 INPL INPL 12/21 7:30	53 4,772 INPR 32 INPR INPR INPR 12/19 8:00	58 2,821 INPY 33 INPY INPY 12/18 8:00	INPK 12/28 8:00	69 70,954 INPC 35 INPC 1 1 2 1800 1803 INPC	12 PutC 12 PutC 12 18 19 19 19 19 19 19 19 19 19 19 19 19 19	62 6,782 INRI 37 INRI INRI 12/18 8:00	8,918 INSB 38 INSB 2 2 INSB 12/18 8:00	Total Species Observed Total Individuals Counted Count Code Count Code Unidentified Groups Scaup Sp Duck Sp Accipter Sp Buteo Sp Gull Sp Owl Sp Warbier Sp Sparrow Sp Blackbird Sp Total Unidentified Ind. Count Code
Total Species Observed Total Individuals Counted Count Code Count Number Count Name Unidentified Groups Scaup Sp Duck Sp Accipter Sp Gull Sp Owl Sp Gull Sp Owl Sp Sparrow Sp Blackbird Sp Total Unidentified ind. Count Code Date of Count Start Time (a.m.) End Time (p.m.)	83 30,124 INLA 20 INLA	91 9,085 INLM 21 INLM INLM 12/18 4:15	37 693 INMG 22 INMG INMG 1.00 7:00	67 5,322 INMC 23 INMC	51 3,836 INMO 24 INMO INMO	38 4,279 INMU 25 INMU INMU 12/18 8:00	90 2,681 INMT 26 INMT INMT	256 70 8,170 Nwpt 27 Nwpt Nwpt	46 6,077 INNL 28 INNL INNL 12/15	82 19,465 INOC 29 INOC 10 1 1 5000 5012 INOC	84 22,367 INOR 30 INOR	79 6,451 INPL 31 INPL	53 4,772 INPR 32 INPR INPR INPR 12/19 8:00	58 2,821 INPY 33 INPY INPY	64 7,667 INPK 34 INPK INPK	69 70,954 INPC 35 INPC 1 1 2 1800 1803 INPC	12 PutC 12 PutC 12 18 19 19 19 19 19 19 19 19 19 19 19 19 19	62 6,782 INRI 37 INRI INRI 12/18 8:00	8,918 INSB 38 INSB 2 2 INSB 12/18 8:00	Total Species Observed Total Individuals Counted Count Code Count Code Unidentified Groups Scaup Sp Duck Sp Accipter Sp Gull Sp Owl Sp Sparrow Sp Sparrow Sp Sparrow Sp Total Unidentified Ind. Count Code
Total Species Observed Total Individuals Counted Count Code Count Name Unidentified Groups Scaup Sp Duck Sp Accipter Sp Buteo Sp Gull Sp Owl Sp Warbler Sp Blackbird Sp Total Unidentified Ind. Count Code Date of Count Start Time (a.m.) End Time (b.m.) Observer Data	83 30,124 INLA 20 INLA INLA 12/18 5:00 6:00	91 9,085 INLM 21 INLM INLM 12/18 4:15 5:10	37 693 INMG 22 INMG 1.00 7:00 1:45	INMC 1/2 ns ns	INMO 1:00	38 4,279 INMU 25 INMU 12/18 8:00 3:20	INMT 1/11 6:00 5:30	256 70 8,170 Nwpt 27 Nwpt Nwpt 12/29 6:00 6:00	INNL 12/15 7:00 4:30	82 19,465 INOC 29 INOC 10 1 1 5000 5012 INOC 1/2 4:45 5:00	84 22,367 INOR 30 INOR 1008 1008 12/18 7:00 5:45	79 6,451 INPL 31 INPL INPL 12/21 7:30 5:00	1NPR 12/19 8:00 5:00	INPY 12/18 8:00 5:30	INPK 12/28 8:00 6:00	1 2 1800 1803 1NPC 1/1 4:00 4:00	12 PutC 12 PutC 12/18 8:00 12:30	62 6,782 INRI 37 INRI INRI 12/18 8:00 5:00	8,918 INSB INSB INSB INSB 12/18 8:00 5:00	Total Species Observed Total Individuals Counted Count Code Count Code Unidentified Groups Scaup Sp Duck Sp Accipter Sp Buteo Sp Gull Sp Warbler Sp Backbird Sp Total Unidentified Ind. Count Code Dount Code Sparrow Sp Blackbird Sp Total Unidentified Ind. Count Code Date of Count Start Time (a.m.) End Time (b.m.) Dobserver Data
Total Species Observed Total Individuals Counted Count Code Count Number Count Name Unidentified Groups Scaup Sp Duck Sp Accipter Sp Gull Sp Owl Sp Gull Sp Owl Sp Sparrow Sp Blackbird Sp Total Unidentified ind. Count Code Date of Count Start Time (a.m.) End Time (p.m.)	83 30,124 INLA 20 INLA INLA INLA 12/18 5:00	91 9,085 INLM 21 INLM INLM 12/18 4:15	37 693 INMG 22 INMG 1.00 7:00 1:45	67 5,322 INMC 23 INMC INMC INMC INMC INMC INMC INMC 1/2 ns	INMO 1:00	38 4,279 INMU 25 INMU 12/18 8:00 3:20	90 2,681 INMT 26 INMT INMT 1/11 6:00	256 70 8,170 Nwpt 27 Nwpt 12/29 6:00 6:00	INNL 12/15 12/15 12/15	82 19,465 INOC 29 INOC 10 1 1 5000 5012 INOC 1/2 4:45 5:00	84 22,367 INOR 30 INOR	79 6,451 INPL 31 INPL INPL 12/21 7:30	10	58 2,821 INPY 33 INPY INPY 12/18 8:00	INPK 12/28 8:00	1 2 1800 1803 INPC 1/1 4:00 4:00 16	12 PutC 12 PutC 12 18 19 19 19 19 19 19 19 19 19 19 19 19 19	62 6,782 INRI 37 INRI INRI 12/18 8:00 5:00	688,9188	Total Species Observed Total Individuals Counted Count Code Count Code Unidentified Groups Scaup Sp Duck Sp Accipter Sp Gull Sp Owl Sp Sp Gull Sp Sp Total Unidentified Ind. Count Code Dount Code Dounter Sp Gull Sp Owl Sp Sp Total Unidentified Ind. Count Code Date of Count Start Time (a.m.) End Time (a.m.)
Total Species Observed Total Individuals Counted Count Code Count Name Unidentified Groups Scaup Sp Duck Sp Duck Sp Buteo Sp Gull Sp Owl Sp Warbler Sp Sparrow Sp Blackbird Sp Total Unidentified Ind. Count Code Date of Count Start Time (a.m.) End Time (p.m.) Observer Data No. Observers in Field	83 30,124 INLA 20 INLA INLA 12/18 5:00 6:00	91 9,085 INLM 21 INLM INLM 12/18 4:15 5:10	37 693 INMG 22 INMG 1.00 7:00 1:45	INMC 1/2 ns ns 6 6	INMO 1:00 22 22 24 24 24 24 24 24 24 24 24 24 24	38 4,279 INMU 25 INMU 12/18 8:00 3:20 4	INMT 1/11 6:00 5:30	256 70 8,170 Nwpt 27 Nwpt 12/29 6:00 6:00	INNL 12/15 7:00 4:30	82 19,465 INOC 29 INOC 10 1 1 5000 5012 INOC 1/2 4:45 5:00	INOR 12,367 INOR 30 INOR INOR 12/18 7:00 5:45	79 6,451 INPL 31 INPL INPL 12/21 7:30 5:00	10 10 10 10 10 10 10 10 10 10 10 10 10 1	2,821 INPY 33 INPY INPY 12/18 8:00 5:30	INPK 12/28 8:00 6:00	11 2 1800 1803 INPC 1/14:00 4:00 6 6	12 PutC 12 PutC 12/18 8:00 12:30	62 6,782 INRI 37 INRI 12/18 8:00 5:00	8,918 8,918 38 INSB INSB 12/18 8:00 5:00	Total Species Observed Total Individuals Counted Count Code Count Code Unidentified Groups Scaup Sp Duck Sp Accipter Sp Buteo Sp Gull Sp Owl Sp Warbler Sp Sparrow Sp Blackbird Sp Total Unidentified Ind. Count Code Date of Count Start Ime (am.) End Time (p.m.) Doserver Data Incounted
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Total Species Observed Total Individuals Counted Count Code Count Name Unidentified Groups Scaup Sp Duck Sp Accipter Sp Buteo Sp Gull Sp Own Sp Warbler Sp Sparrow Sp Blackbird Sp Total Unidentified Ind. Count Code Date of Count Start Time (a.m.) End Time (p.m.) Observer Data No. Field Parties Field Hours on Foot Field Hours by Car Field Hours by Boat Total Field Hours Field Miles on Foot Field Miles by Car Field Miles on Foot Field Miles by Car Field Miles on Foot Field Miles on Foot Field Miles by Car Field Miles on Foot Field Miles Observers at Feeders Hours at Feeders Hours Owling Miles Owling Miles Owling Weather/Count Day High Temperature F Snow Cover (inches) Precipitation (inches)	NLA NLA 20 NLA 20 NLA NLA 20 NLA NLA 20 NLA NL	911 9,085 5 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	INMG 22 INMG 22 INMG 22 INMG 22 INMG 22 INMG 24 INMG 25 INMG 26 INMG 26 INMG 26 INMG 26 INMG 26 INMG 26 INMG 27 INMG 2	S322 S32 S32	INMO 24 INMO 24 INMO 1/11 8:000 1:00 1:00 1:00 1:00 1:00 1:00 1:00	INMU 25 INMU 25 INMU 127 INMU	EINMT 26 INMT 26 INMT 26 INMT 26 INMT 26 INMT 27 INMT	8,170 8,170 8,170 Nwpt 27 Nwpt 12/29 6:00 6:00 8 4 4 4 8 17 25 5 5 233 233 24 4 4-5, mist 11 100 8W	INNL 12/15 7:00 4:30 10 4:30 10 4:30 10 10 11 12/15 7:00 10 10 10 10 10 10 10 10 10 10 10 10 1	19,465 (19) (19) (19) (19) (19) (19) (19) (19)	22,367 MOR 30 INOR 30 INOR 12/18 7:00 5:45 12 2:39.55 5 5:55 12 12 12 15:55 12 15:55 12 15:55 12 15:55 12 15:55 12 15:55 12 15:55 12 15:55 12 15:55 15	79 6,451 in INPL 31 in INPL 31 in INPL 12/21 7:30 5:00 133 5 5:00 41.25 8 8 248 248 43 366 0-1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	INPR INPR INPR INPR INPR INPR INPR INPR	INPY 333 INPY 12/18 8:00 5:30 10 10 11 1 1 10 5 3-6 6 0 0 0 5 W 5 W 5 W 5 W 5 W 5 W 5 W 5 W 5	INPK INPK INPK INPK INPK INPK INPK INPK	70,954 INPC 35 INPC 11 2 1800 1803 1803 4:00 4:00 4:00 166 6 6 3 335.00 0 0 3 3 10 36 26 6 0 0 1 10 NNW	12 12 12 12 12 12/18 8:00 19:5 0 19:5 19:5 19:5 19:5 19:7 2 19:7 2 19:7 2 19:7 2 19:7 19:7 2 19:7 19:7 19:7 19:7 19:7 19:7 19:7 19:7	NRI	8.91416 September Septembe	Total Species Observed Total Individuals Counted Count Code Count Code Unidentified Groups Scaup Sp Duck Sp Accipter Sp Buteo Sp Gull Sp Warbler Sp Blackbird Sp
Total Species Observed Total Individuals Counted Count Code Count Name Unidentified Groups Scaup Sp Duck Sp Accipter Sp Buteo Sp Gull Sp Own Sp Warbler Sp Sparrow Sp Blackbird Sp Total Unidentified Ind. Count Code Date of Count Start Time (a.m.) End Time (p.m.) Observers in Field No. Field Parties Field Hours by Car Field Hours by Car Field Hours by Boat Total Field Miles on Foot Field Hours by Boat Total Field Miles Observers at Feeders Hours at Feeders Hours at Feeders Hours de Field Wiles Observers at Feeders Hours at Feeders Hours at Feeders Hours de Miles Observers at Feeders Hours Wilnig Miles Owling Miles Owling Weather/Count Day High Temperature F Low Temperature F Snow Cover (inches) Precipitation (inches) Cloud Cover p.m. (%) Cloud Cover p.m. (%)	NLA NLA	911 9,085 6 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	INMG 22 INMG 22 INMG 1.00 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.	S322	INMO 24 INMO 24 INMO 24 INMO 24 INMO 27 INMO 17/1 18:00 1:00 1:00 1:00 1:00 1:00 1:00 1:	INMU 25 INMU 12/18 8:00 3:20 6 4 3 3 13.5 16.5 3.25 10.2 105.3 4 9 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	INMT 26 INMT 26 INMT 1/11 1/11 6:00 5:30 17 7 5 19 13 32 17 00 0 16 46 40 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Nwpt 27 Nwpt 27 Nwpt 12/29 6:00 6:00 6:00 3 3 3 24 4-5 mist 1 100 SW 0-10 10 10 10 10 10 10 10 10 10 10 10 10 1	INNL INNL INNL INNL INNL INNL INNL INNL	19,465 19	22,367 INOR INOR INOR 12/18 12/1	INPL INPL INPL INPL INPL INPL 12/21 1 12/21 1 12/21 1 12/21 1 12/21 1 13/21 5 18.75 21.5 8 248 248 256 0 0 0 5 3 30 0 100 100 100 100 100 100 100 100 100	INPR INPR 12/19 8:00 5:00 10 0 233 19 3.55 0 10 10 10 11 11 11 11 11 11 11 11 11 1	INPY INPY 12/18 8:00 5:30 4 2 2 14 16 3 100 11 1 1 23 5 6 0 10 10 5 8W 10-15	INPK INPK 34 INPK 12/28 8:000 6:00 42.25 42.25 42.25 11.5 166 3 3 0 90 90 910 S 10	70,954 Final Process Final	48 3.345 PutC 12 12 12 12 12/18 8:000 12:30 19:5 0 0 197.2 197.2 10.5 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	INRI INRI INRI INRI INRI INRI INRI INRI	68.8,916.838 INSB INSB INSB INSB INSB INSB INSB INS	Total Species Observed Total Individuals Counted Count Code Count Code Unidentified Groups Scaup Sp Duck Sp Accipter Sp Buteo Sp Gull Sp Owl Sp Warbier Sp Sparrow Sp Blackbird Sp Total Unidentified Ind. Count Code Blackbird Sp Total Unidentified Ind. Count Code Date of Count Start Time (a.m.) End Time (p.m.) Observers in Field No. Deservers in Field No. Observers in Field No. Chester Sp Field Hours by Car Field Hours by Car Field Hours by Car Field Hours by Car Field Miles on Foot Field Hours by Car Field Hours by Car Field Miles Total Field Miles Observers at Feeders Hours Cowling Miles Owling Weather/Count Day High Temperature F Low Temperature F Snow Cover (inches) Precipitation (inches)

	39	40	41	42 INTH	43	44	45	46	47	48	49	50 INWH	51	No.	No.	Max.
Species Gr. White-fronted Goose	INSL	INSM	INSU 169	IN I H	INTI	INTO	INTC	INTR	INWC	WELS	INWG 76	INWH	INWS	Birds 686	Cts.	No.
Snow Goose			4								10.722			10901	9	169 10722
Ross's Goose			-	10							2			7	4	3
Cackling Goose			1	CW							1			48		11
Canada Goose	169	626	5745		1723	737	177	124	646	414	10,795	445	705	79715	49	10795
Mute Swan			8		401	38								1045	16	401
Tundra Swan			7		22	6			3					65	8	22
Wood Duck			40	1		1			0.5		0.5	1		31	15	4
Gadwall American Wigeon		26	42 12	8	3 2				35		65 9	4		576 81	21 11	139 18
American Black Duck		5	53	33	4	4	• • • • • • • • • • • • • • • • • • • •	<u>-</u>			37	28		514	29	86
Mallard	115	472	1905	802	419	182	153	28	108	8	13,427	64	7	33749	48	13427
Blue-winged Teal											,			1	1	1
Northern Shoveler		6	5								22	47		113	13	47
Northern Pintail			23					1			2	1		71	15	23
Green-winged Teal		7	10								9			48		13
Canvasback			15	2	6						_			42		15
Redhead Ring-necked Duck		10	14 358	12	9 37				23		9	1		77 759	14 17	14 358
Greater Scaup		10	330	12	31				23		· ·			190	3	160
Lesser Scaup			2	11	18	1						12		164	13	67
Harlequin Duck														2	2	1
Surf Scoter														2	2	1
White-winged Scoter				2										3	2	2
Black Scoter															1	5
Long-tailed Duck					_									2	1	2
Bufflehead Common Goldeneye			70	2 9	5						20	18 173		217	21	37 173
Hooded Merganser			73 160	16	40 24	5					70 90	1/3 247		824 1365	23 25	1/3 310
Common Merganser			160	16	24	э					30			1365	11	41
Red-breasted Merganser												3		92	6	58
Ruddy Duck		3	15	6	28				CW		3			174	23	31
Ring-necked Pheasant	1					1							12	30	8	12
Wild Turkey		58	6			8	11	25	72	10		14		1675		174
Northern Bobwhite	ļ	8	20					14	6		7			144		21
Common Loon												2		30		20
Pied-billed Grebe			12	4	4				CW		8			137	23	43
Horned Grebe Western Grebe			100	2							2	11		137 0	13 0	100
Double-crested Cormorant		1	3								29			72	8	29
Great Blue Heron	3		18		3	9	1	5	14	1	32	9	1	539		107
Blk-crowned Night-Heron	_				-							_		13		13
Black Vulture		47										25		146		47
Turkey Vulture		6	5	12					CW		5			211	23	38
Osprey											1			2	2	1 50
Bald Eagle		4	6		3			10	1		6			229	38	
Northern Harrier		8	18			_	2	1	19		20		8	245	31	66
Sharp-shinned Hawk	3	4	2		1	2	1	_	-	1	2		1	53 226		4 20
Cooper's Hawk Red-shouldered Hawk	3		4		2	13	1	2	5	2	4			226 245		
Red-tailed Hawk	14	5 30	3 36	41 45	24	108	6	<u>9</u> 57	10 19	27	2 36	31	12	1542	33 51	41 108
Rough-legged hawk	2		3		2	20	- 0	36	3		30	- 31	12	181	31	36
Golden Eagle		·	ŭ		_			1	Ŭ		1			8	6	3
American Kestrel	1	18	23	11	6	46	5	19	17	10	25	5	5	557	49	46
Merlin		2	1						9				2	18		9
Peregrine Falcon		1		CW										6		2
Virginia Rail														3	2	2
American Coot		12	90	7	427	10	20		12		12	29	4	1301	27	427
Sandhill Crane		- 1										70		174	4	96
Killdeer Wilson's Snipe		CW	1						1		2			11 23	7 10	3 7
Black-legged Kittiwake		CVV	- '						'					23		0
Bonaparte's Gull			20									CW		100	4	56
Ring-billed Gull			1074	49					9		1190	415	1	7442	24	2045
Herring Gull					1						14		<u>.</u>	3087	10	2792
Thayer's Gull														6		5
Iceland Gull														3		2
Lesser Black-backed Gull														5		5
Slaty-backed Gull														12		0
Glaucous Gull Gr Black-backed Gull														12 14		6 7
Pomarine Jaeger														14	1	1
Rock Pigeon	15	569	151	353	47	1198		175	17	62	170	43	8			1271
Eurasian Collared-Dove		4	9		.,	00				52	6			53		17
Mourning Dove	42		143		61	361	5	537	51	173	571			14246		1080
Monk Parakeet														2	1	2
Barn Owl		1												1	1	1
Eastern Screech-Owl		10	1					4			10		3	129		34
Great Horned Owl	1					7		4			5			125		16
Barred Owl	1	7	3	4	1	2	1	5	4		6	2		108		11
Long-eared Owl Short-eared Owl		1				4			1		8		2	10 63		37
Northern Saw-whet Owl		- '				4			<u>'</u>		- 8			63		37
Belted Kingfisher	1	3	3	10	1	3		4	1		3	6		148		11
Red-headed Woodpecker	4					3		2			17			293	33	36
Red-bellied Woodpecker	4		26		27	77	20	14	33		57		3 6	2033	51	136
Yellow-bellied Sapsucker		3	2	11				3	7	1	15	3		130	26	15
Downy Woodpecker	14		17		19	80	18	71	32		32			2314		150
Hairy Woodpecker	1	6			6		1	10			8		2	338		25
Northern Flicker	2				21	46	1	24	46		30			962	49	50
Pileated Woodpecker Eastern Phoebe		21	2	27			1	21	4		12	14		489		83
reasiem Phoebe		CW				1								2 6	1 5	2
				00.4	54	129	22	81								322
Northern Shrike	10	132	833						gu		88	100	₆ u	4/83		
Northern Shrike Blue Jay	19 6	132 362	83 181						99 90	30 137	88 78		69 72	4783 38807		
Northern Shrike	19 6 639	362	181	12404	118 48	113 909	44	156 397	99 90 67	137 266	78 792	167	72	38807 10942	51 51 41	12404 1300
Northern Shrike Blue Jay American Crow	6	362	181	12404 346	118	113		156	90 67	137 266	78	167 317	72 1	38807	51 41	12404

Tufted Titmouse	10	124	21	119	32	53	16	93	37	18	76	88	1	3229	51
Red-breasted Nuthatch		1		3			7	4	2			8		268	27
White-breasted Nuthatch Brown Creeper	12	67	9	88 19	46 5	59 18	13	97 12	21 1	22	67 6	33	7	2411 248	51 37
Carolina Wren	1	31	18	72		5		13	33	1	38			883	44
Winter Wren		1				2		1	1		1			22	16
Golden-crowned Kinglet		18	3	9	5	4	4	19	1		12	~~~~~	2	573	44 11
Ruby-crowned Kinglet Eastern Bluebird	7	68	37	99	62	132	4	104	36	3	1 25	33	6	17 2247	46
Swainson's Thrush		- 00	Ű.		- OL	.02	·		- 00			- 00		1	1
Hermit Thrush		1		6						2	7	2		68	18
Varied Thrush American Robin		35	35	1246	93	1	12	53	190	6	1521	403	2	0 11988	0 47
Gray Catbird		33	33	1240	93		12	55	190		1321	403		11900	1
Northern Mockingbird		16	6	20		7		1	17		5	5	1	378	37
Brown Thrasher				1							.=			6	6
European Starling American Pipit	19	1092	9109	3835 4	943	2526	85	714	6197 1	1451	4738	943	185	120076 98	50 8
Cedar Waxwing		36		12	41			45	3		30	75	13	1516	27
Yellow-rumped Warbler		23	1	14				5	10		13	47		288	28
Eastern Towhee		13	1	58	1	505	0.5	13	12		11	19	CW	503	34
American Tree Sparrow Chipping Sparrow	56	138	152	1131	191	535	85	329	171	38	306 1	71	278	12295 7	50 6
Field Sparrow		1	15	27			1	7			5	2		260	28
Vesper Sparrow														4	2
Savannah Sparrow		1	2	3				5	3		2	3		288	18
Fox Sparrow Song Sparrow	1	6 111	36	9 232	4	29	1	1 86	3 34	8	7 117	99	4	162 3759	24 50
Lincoln's Sparrow			- 50	202				- 00	54			55		1	1
Swamp Sparrow		4	4	13				3			11			577	28
White-throated Sparrow	2	16	23	162				18	16	1	110	84	7	1995	41
Harris's Sparrow White-crowned Sparrow	 	84	92	136	3	91		169	4	3	52	35		1938	42
Dark-eyed Junco (Slate)	54	264	119	1121	89	176	47	380	219	60	156	211	96	11138	51
Lapland Longspur	305	6	200	27	-	192		35	15		213	2	860	3227	28
Snow Bunting Northern Cardinal	256 14	193	66	609	32 65	2433 213	41	14 304	109	74	241	190	28 29	3488 8191	21 51
Indigo Bunting		193	00	309	- 03			304	109	/-		130		1	1
Red-winged Blackbird			2787	23	1			7	1336		1,184		3	34206	27
Eastern Meadowlark		101	32	42				54	40		62	13	3	1042	28
Rusty Blackbird Brewer's Blackbird		1									351 8			546 34	10
Common Grackle			45156	535				1	18729		4452			166730	21
Brown-headed Cowbird		10	438	22	25	103		12	7		613		112	5777	29
Purple Finch		13	_	1		405	13	2	8			70	105	204	27
House Finch Common Redpoll	5	33	7	161	33	185	3	50	43	23 1	36	79	195	3152 4	48
Pine Siskin	6				1					·······	6			223	2 17
American Goldfinch	12	148	14	263	23	164	69	215	39	25	72	68	96	5208	51
House Sparrow	56	186	66	682	273	2230							86	15340	51
							127	311	53	467	319	333		10040	
Total Species Observed	38	79	86	87	58	55	37	67	73	37	95	76	50		
		79	86	87		55			73		95				
Total Species Observed Total Individuals Counted	38 1,882	79 6,291	86 69,400	87 36,032	58 5,637	55 13,368	37 1,020	67 5,115	73 28,955	37 3,424	95 53,752	76 5,685	50 3,060		
Total Species Observed Total Individuals Counted Count Code Count Number	38 1,882 INSL 39	79 6,291 INSM 40	86 69,400 INSU 41	87 36,032 INTH 42	58 5,637 INTI 43	55 13,368 INTO 44	37 1,020 INTC 45	5,115 INTR 46	73 28,955 INWC 47	37 3,424 WELS 48	95 53,752 INWG 49	76 5,685 INWH 50	3,060 INWS 51	668,477	
Total Species Observed Total Individuals Counted Count Code	38 1,882 INSL	79 6,291 INSM	86 69,400 INSU	87 36,032 INTH	58 5,637 INTI	55 13,368 INTO	37 1,020 INTC	67 5,115 INTR	73 28,955 INWC 47	37 3,424 WELS 48	95 53,752 INWG 49	76 5,685 INWH 50	3,060 INWS 51		
Total Species Observed Total Individuals Counted Count Code Count Number Count Code Unidentified Groups Scaup Sp	38 1,882 INSL 39	79 6,291 INSM 40	86 69,400 INSU 41	87 36,032 INTH 42	58 5,637 INTI 43	55 13,368 INTO 44	37 1,020 INTC 45	5,115 INTR 46	73 28,955 INWC 47	37 3,424 WELS 48	95 53,752 INWG 49	76 5,685 INWH 50	3,060 INWS 51	668,477 No Birds	Cts 1
Total Species Observed Total Individuals Counted Count Code Count Number Count Code Unidentified Groups Scaup Sp Duck Sp	38 1,882 INSL 39	79 6,291 INSM 40	86 69,400 INSU 41	87 36,032 INTH 42	58 5,637 INTI 43	55 13,368 INTO 44	37 1,020 INTC 45	5,115 INTR 46	73 28,955 INWC 47 INWC	37 3,424 WELS 48	95 53,752 INWG 49	76 5,685 INWH 50	3,060 INWS 51	868,477 No Birds	Cts
Total Species Observed Total Individuals Counted Count Code Count Number Count Code Unidentified Groups Scaup Sp Duck Sp Accipter Sp	38 1,882 INSL 39	79 6,291 INSM 40	86 69,400 INSU 41	87 36,032 INTH 42	58 5,637 INTI 43	55 13,368 INTO 44	37 1,020 INTC 45	5,115 INTR 46	73 28,955 INWC 47	37 3,424 WELS 48	95 53,752 INWG 49	76 5,685 INWH 50	3,060 INWS 51	668,477 No Birds	Cts 1 2 2
Total Species Observed Total Individuals Counted Count Code Count Number Count Code Unidentified Groups Scaup Sp Duck Sp	38 1,882 INSL 39	79 6,291 INSM 40	86 69,400 INSU 41	87 36,032 INTH 42	58 5,637 INTI 43	55 13,368 INTO 44	37 1,020 INTC 45	5,115 INTR 46	73 28,955 INWC 47 INWC	37 3,424 WELS 48	95 53,752 INWG 49	76 5,685 INWH 50	3,060 INWS 51	868,477 No Birds 300 111 3	Cts 1 2 2 2 2
Total Species Observed Total Individuals Counted Count Code Count Number Count Code Unidentified Groups Scaup Sp Duck Sp Accipter Sp Buteo Sp Gull Sp Owl Sp Owl Sp	38 1,882 INSL 39	79 6,291 INSM 40	86 69,400 INSU 41	87 36,032 INTH 42	58 5,637 INTI 43 INTI	55 13,368 INTO 44	37 1,020 INTC 45	5,115 INTR 46	73 28,955 INWC 47 INWC	37 3,424 WELS 48	95 53,752 INWG 49	76 5,685 INWH 50	3,060 INWS 51	No Birds 300 11 3	Cts 1 2 2 2 2
Total Species Observed Total Individuals Counted Count Code Count Number Count Code Unidentified Groups Scaup Sp Duck Sp Accipter Sp Buteo Sp Gull Sp Owl Sp Warbler Sp	38 1,882 INSL 39	79 6,291 INSM 40	86 69,400 INSU 41	87 36,032 INTH 42	58 5,637 INTI 43 INTI	55 13,368 INTO 44	37 1,020 INTC 45	5,115 INTR 46	73 28,955 INWC 47 INWC	37 3,424 WELS 48	95 53,752 INWG 49	76 5,685 INWH 50	3,060 INWS 51	No Birds 300 11 3 5 43 1 1	Cts 1 2 2 2 4 1 1 1 1
Total Species Observed Total Individuals Counted Count Code Count Number Count Code Unidentified Groups Scaup Sp Duck Sp Accipter Sp Buteo Sp Gull Sp Owl Sp Owl Sp	38 1,882 INSL 39	79 6,291 INSM 40	86 69,400 INSU 41	87 36,032 INTH 42	58 5,637 INTI 43 INTI	55 13,368 INTO 44	37 1,020 INTC 45	5,115 INTR 46	73 28,955 INWC 47 INWC	37 3,424 WELS 48	95 53,752 INWG 49	76 5,685 INWH 50	3,060 INWS 51	868,477 No Birds 300 11 3 5 43	Cts 1 2 2 2 2
Total Species Observed Total Individuals Counted Count Code Count Number Count Code Unidentified Groups Scaup Sp Duck Sp Accipter Sp Buteo Sp Gull Sp Owl Sp Warbler Sp Sparrow Sp	38 1,882 INSL 39	79 6,291 INSM 40	86 69,400 INSU 41	87 36,032 INTH 42	58 5,637 INTI 43 INTI	55 13,368 INTO 44	37 1,020 INTC 45	5,115 INTR 46	73 28,955 INWC 47 INWC	37 3,424 WELS 48	95 53,752 INWG 49	76 5,685 INWH 50	3,060 INWS 51	300 111 3 5 43 11	Cts 1 2 2 2 4 1 1 1 2
Total Species Observed Total Individuals Counted Count Code Count Number Count Code Unidentified Groups Scaup Sp Duck Sp Accipter Sp Buteo Sp Gull Sp Owl Sp Warbler Sp Sparrow Sp Blackbird Sp Total Unidentified Ind.	38 1,882 INSL 39	79 6,291 INSM 40 INSM	86 69,400 INSU 41 INSU	87 36,032 INTH 42 INTH	58 5,637 INTI 43 INTI	55 13,368 INTO 44 INTO	37 1,020 INTC 45 INTC	67 5,115 INTR 46 INTR	73 28,955 INWC 47 INWC 2 3	37 3,424 WELS 48 WELS	95 53,752 INWG 49 INWG	5,685 INWH 50 INWH	50 3,060 INWS 51 INWS	868,477 No Birds 300 11 3 5 43 1 14 6800	Cts 1 2 2 2 4 1 1 1 2
Total Species Observed Total Individuals Counted Count Code Count Number Count Code Unidentified Groups Scaup Sp Duck Sp Accipter Sp Buteo Sp Gull Sp Owl Sp Warbler Sp Sparrow Sp Blackbird Sp Total Unidentified Ind. Count Code	INSL	79 6,291 INSM 40 INSM	86 69,400 INSU 41 INSU	87 36,032 INTH 42 INTH	58 5,637 INTI 43 INTI	55 13,368 INTO 44 INTO	37 1,020 INTC 45 INTC	67 5,115 INTR 46 INTR	28,955 INWC 47 INWC 2 3 5 INWC	37 3,424 WELS 48 WELS	95 53,752 INWG 49 INWG	76 5,685 INWH 50 INWH	50 3,060 INWS 51 INWS	No Birds 300 11 3 5 43 11 14 6800 7178	Cts 1 2 2 2 4 1 1 2 2 2
Total Species Observed Total Individuals Counted Count Code Count Number Count Code Unidentified Groups Scaup Sp Duck Sp Accipter Sp Buteo Sp Gull Sp Owl Sp Warbler Sp Sparrow Sp Blackbird Sp Total Unidentified Ind.	38 1,882 INSL 39	79 6,291 INSM 40 INSM	86 69,400 INSU 41 INSU	87 36,032 INTH 42 INTH	58 5,637 INTI 43 INTI	55 13,368 INTO 44 INTO	37 1,020 INTC 45 INTC	67 5,115 INTR 46 INTR	73 28,955 INWC 47 INWC 2 3 3	37 3,424 WELS 48 WELS	95 53,752 INWG 49 INWG	5,685 INWH 50 INWH	3,060 INWS 51 INWS	No Birds 300 11 1 3 5 43 1 144 6800 7178 Date of 6 Start Time	Cts 1 2 2 2 4 1 1 2 2 2 2 Count ne (a.m
Total Species Observed Total Individuals Counted Count Code Count Number Count Code Unidentified Groups Scaup Sp Duck Sp Accipter Sp Buteo Sp Gull Sp Owl Sp Warbler Sp Sparrow Sp Blackbird Sp Total Unidentified Ind. Count Code Date of Count Start Time (a.m.) End Time (p.m.)	1,882 INSL 39 INSL	79 6,291 INSM 40 INSM	86 69,400 INSU 41 INSU	87 36,032 INTH 42 INTH	58 5,637 INTI 43 INTI 1	13,368 INTO 44 INTO	37 1,020 INTC 45 INTC	67 5,115 INTR 46 INTR	73 28,955 INWC 47 INWC 2 3 5 INWC 12/29 5:00	37 3,424 WELS 48 WELS	95 53,752 INWG 49 INWG	76 5,685 INWH 50 INWH INWH 12/19 7:30	3,060 INWS 51 INWS	No Birds 300 11 3 5 43 11 14 6800 7178 Date of 6 Start Time End Time	Cts 1 2 2 2 4 1 1 2 2 Count tee (a.mea (p.m.
Total Species Observed Total Individuals Counted Count Code Count Number Count Code Unidentified Groups Scaup Sp Duck Sp Accipter Sp Buteo Sp Gull Sp Owl Sp Warbler Sp Sparrow Sp Blackbird Sp Total Unidentified Ind. Count Code Date of Count Start Time (a.m.) End Time (p.m.) Observer Data	INSL INSL INSL INSL INSL INSL 1/3 7:00 4:00	79 6,291 INSM 40 INSM INSM 12/19 7:30 5:30	INSU 12/31 4:50 6:00	87 36,032 INTH 42 INTH 12/18 5:30 6:30	5,637 INTI 43 INTI 1 1 INTI 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	INTO INTO INTO INTO INTO INTO 12/27 6:30 5:00	37 1,020 INTC 45 INTC	INTR 12/27 6:00 6:00	73 28,955 INWC 47 INWC 2 3 3 5 INWC 12/29 5:00 5:00	37 3,424 WELS 48 WELS WELS 12/20 8:00 5:20	95 53,752 INWG 49 INWG 12/19 4:30 4:40	100 Feb. 100	3,060 INWS 51 INWS INWS INWS 1/1 4:45 5:00	No Birds 300 111 3 5 43 1 14 6800 7178 Date of 0 Start Time Observe	Cts 1 2 2 4 1 2 2 4 2 2 4 1 2 2 2 Count lie (a.m.er (p.m.er Data
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Total Species Observed Total Individuals Counted Count Code Count Number Count Code Unidentified Groups Scaup Sp Duck Sp Accipter Sp Buteo Sp Gull Sp Owl Sp Warbler Sp Sparrow Sp Blackbird Sp Total Unidentified Ind. Count Code Date of Count Start Time (a.m.) End Time (p.m.) Observer Data No. Observers in Field No. Field Parties Field Hours on Foot Field Hours by Car	INSL 1/3 1/3 1/3 1/3 7:00 4:00	INSM 12/19 7:30 10 10 10 10 10 10 10 10 10 10 10 10 10	INSU 12/31 4:50 6:00	INTH 12/18 5:30 103 107 107 107 107 107 107 107 107 107 107	58 5,637 INTI 43 INTI 1 1 1 INTI 1/1 8:00 4:00	INTO INTO 12/26 26 7 12.75 34.25	37 1,020 INTC 45 INTC INTC 1/1 8:00 5:30	INTR 12/27 6:00 6:00	73 28,955 INWC 47 INWC 2 3 3 5 INWC 12/29 5:00 5:00 4 9.25	37 3,424 WELS 48 WELS 12/20 8:00 5:20	INWG 12/19 4:30 4:40 7	INWH 112/19 7:30 4:30 16 6 15	3,060 INWS 51 INWS 1/1 4:45 5:00 6 3 10.25	No Birds 300 300 11 3 5 43 1 14 6800 7178 Date of 6 Start Time End Time Observe No. Observe No. Observe No. Observe Field Hou	Cts 1 2 2 4 1 1 2 2 4 1 2 2 2 Count te (a.m.e (p.m.e (p.)
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Total Species Observed Total Individuals Counted Count Code Count Number Count Code Unidentified Groups Scaup Sp Duck Sp Accipter Sp Buteo Sp Gull Sp Owl Sp Warbler Sp Sparrow Sp Blackbird Sp Total Unidentified Ind. Count Code Date of Count Start Time (a.m.) End Time (p.m.) Observer Data No. Observers in Field No. Field Parties Field Hours op Foot Field Hours by Boat/Bike Total Field Hours Tounted Total Field Hours Total Field Hours Total Field Hours Total Field Hours	INSL 1/3 7:00 4:00 8 1 5 4 4 9 9	INSM INSM INSM INSM INSM INSM 12/19 7:30 5:30 11 3 16.75 17.75	INSU 12/31 4:50 6:00 11 5 29	INTH 12/18 5:30 6:30 31 155 34 76 110	5,637 INTI 43 INTI 1 1 1 INTI 8:00 4:00 13 6 7.455 27.7 35.15	INTO INTO INTO INTO INTO 12/27 6:30 5:00 26 7 12.75 34.26 3 50	37 1,020 INTC 45 INTC 	INTR 12/27 6:00 6:00 15 6 49	73 28,955 INWC 47 INWC 2 3 5 INWC 12/29 5:00 5:00 12 4 9.25 29.25 38.5	37 3,424 WELS 48 WELS WELS 12/20 8:00 5:20 12 5 1.33 26 27.33	53,752 INWG 49 INWG 12/19 4:30 4:40 16 7 7 14 38	INWH 12/19 7:30 4:30 6 6 6 20.75	3,060 INWS 51 INWS 1/11 4:45 5:00 6 3 10.25 9 19.25	868,477 No Birds 300 111 3 5 433 1 1 14 6800 7178 Date of d Start Time End Time Observe No. Field Field Hou Hours by Total Field Hou Hours by Total Field Hou	Cts 1 2 2 4 1 1 2 2 2 2 2 2 2 2 2 2 2 2 2
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