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The Ohio

CARDINAL



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The Ohio Cardinal invites readers to submit articles on unusual occurrences of birds, bird distribution within the state, birding areas in Ohio, identification tips, and other aspects of ornithology. Bird reports are welcome from any area in the state. They should be sent to: Tom Kemp, 7021 Manore Road, Whitehouse, Ohio 43571. Send seasonal reports according to the following schedule:

Winter, March 10
Spring, June 10
Summer, August 10
Autumn, December 10

It is important that the reports be sent by the above dates if the Journal is to be a timely publication. Late reports run the risk of not being accepted.

Report forms are not a necessity but will be supplied on request. Unusual species should be documented and forms will be provided upon request.

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Cover: First winter Sabine's Gull, Cleveland, Ohio, February 1989. This is the first record of an overwintering Sabine's Gull in North America. Photograph by Tom LePage.

First Overwintering Sabine's Gull in Interior North America

Ed Pierce

Mike Bowler and I had just finished our appearance in Federal Court in Cleveland (only our clients remained with the U. S. Marshalls). We decided to make wise (?) use of our time by doing some gull watching at the E. 72nd Street CEI hot water outlet into Lake Erie before returning to Akron. As we stood on the fishing bridge constructed by the Lake Front State Park, I pointed out a juvenile Sabine's gull and sagely remarked that it had been here all winter. As usual, how little I knew at the time.

What we were really looking at was the first mid-winter interior North American record of a Sabine's gull. Nobody, including Captain Edward Sabine, had seen such a thing. Such a bird had been seen at the same place last fall (November 4-10). However, this January 24, 1989, sighting, combined with a sighting the previous weekend at Cleveland's Edgewater Park (K. Alexander, J. Pogacnik), confirmed this species' presence, which, unknown to me, had not been seen since November 10.

At this time of year all Sabine's gulls were supposed to be feeding in the cold upswells of the Peruvian Current off Peru and the Benguela Current off Namibia and South Africa (Cramp, et.al. 1983). The only "winter" (December through February) North American records I found in my research are as follows:

DATE	LOCATION	OBSERVER	SOURCE	COMMENT
03-31-80	Monterey Bay, Calif.	R. Stallicup, J. Morlan, D. Roberson	Monterey Birds, D. Roberson	One
02-18-79	Monterey Bay, Calif.	S. Terrill, G. McCaskie	Monterey birds, Am. Birds 33:310	One imm. in Bay; now McCaskie not comfortable with identification ①
02-07-32	Humbolt Bay, Calif.	J.M. Davis	Condor 42:222	One, collected
01-4/5-79	Humbolt Bay, Calif.	B. Sisco	Am. Birds 33:110	One imm. several miles off shore
01-04-80	White Sands Missile Range, New Mexico	L. Murphy	Am. Birds 34:297	One; written details on file with New Mexico Ornithological Society
04-04-78	Point Reyes, Calif.	D. Dittman	Am. Birds 32:396	Two imm. seen from shore; description on file with editors
01-03-65	Santa Rosa, Calif.	G.L. Bolander, Dr. J. Arnold	Aud. Field Notes 19:413	One, inland
12-28-84	Cypress Point, Calif.	C. Chase	Am. Birds 39:208	One adult, Monterey CBC; documentation on file with Reg. Bd.
12-27-52	Ashtabula, Ohio	L. Hicks, E. Limes	Aud. F.N. 7:113, 216	One CBC
12-11/28-65	Longmont, Colo.	M. Gochfeld, C. Snyder	Aud. F.N. 20:437	One
12-26-61	Orange County, Calif.		Aud. F.N. 16:284	Central & coastal CBC, one, "seen well by boat party"
12-21-68	Captree, L.I., NY	R. Ryan	Aud. F.N. 23:460	One, winter adult ②
12-21-63	Victoria, B.C.	T. Briggs, et/al	Aud. F.N. 18:92	a few miles off shore CBC, one "good 15 minute study-Briggs party"
12-20-87	Carson, B.C.		Am. Birds 42:616	CBC, one imm. "good details, sketch"
12-20-81	Cape Bay, Oregon		Am. Birds 36:723	CBC, one
12-20-69	M. Sonoma, Calif.		Aud. F.N. 24:482	CBC, one
12-17-78	Off Cape Arago, Oregon	A. Contreras	Am. Birds 33:307	One imm., written description on file
12-15-74	Bayshore power plant, Toledo, Ohio	L.W. Campbell, W. E. Smith, Jr.	Am. Birds 29:366	CBC, one imm., since 11-29(7), no details, but see Campbell, 1974
12-4/7-84	Southern California		Letter of 3-27-89 from G. McCaskie to T. Kemp	"latest well documented southern Calif. occurrence"
12-04-76	Fire Island Inlet, NY	A.J. Lauro, B. Dieterich, R. Kelly	Am. Birds 31:314	One imm. "studied at length" in a flock of Bonaparte's
12-1/2-79	Dunkirk, NY	B. Chapman, et/al	Am. Birds 34:271	One imm.
12-02-78	Southern California		Letter of 3-27-89 above	"well documented"
12-01-85	Erie power plant, Monroe, Michigan	T. Kemp, et/al	Am. Birds 40:283	One imm.

①
②

Christmas Bird Count

Letter of 3-27-89 from G. McCaskie to T. Kemp
Reg. Bd. asks: is this the same bird as a "sub-adult" that was seen at Montauk (11/67) and which
joined a group of mixed gulls more or less permanent residents off Sandy Hook (8/68, summer adult).

NOTE:

This list was derived from a search through American Birds/Audubon Field Notes, 1988 through 1949
and Bird Lore 1924 through 1940 and Tom Kemp's correspondence with the following American Birds
regional editors: H. Armistead (Middle Atlantic Coast), S. Bailey (Middle Pacific Coast),
D. Gibson (Alaska), H. LeGrand (Southern Atlantic Coast), G. McCaskie (Southern Pacific Coast),
B. McEavish (Atlantic Provinces), R. Paxton (Hudson-Deleware) and R. Weir (Ontario), and my
correspondence with R. F. Andrieu, Buffalo New York Museum of Science. Our thanks to them for
their gracious and timely responses.

Thus, it appears that the Cleveland bird is only the second confirmed mid-winter record for this species in North America. Guy McCaskie (pers. comm.) suggests that any December and early January records are lingering fall transients and not true wintering birds. This seems highly likely.

The Sabine's gull has been described as almost wholly pelagic (Grant 1986, Cramp, et. al. 1983). Yet, it is apparently not so exclusively (Ryff 1986, Lambert 1973). As the separate wintering quarters above suggest, there are two major populations of this gull in the world. One migrates north on a specific pelagic flyway for about six thousand miles from Peru to the Bering Sea. The other population crosses seven thousand miles of the Atlantic Ocean from off southern Africa to the Labrador Sea.

In the spring, part of the Pacific population, once it reaches the western coast of Canada, is now thought (Ryff 1986) to migrate overland following waterways of western Canada to Hudson Bay and the Arctic Ocean. These birds are thought to fly low (fifteen to one hundred feet) over these waterways to greatly increase their chances of finding feeding opportunities and avoiding over shooting into areas of unbroken ice. This flight is also used in autumn over the Great Lakes.

There is no known overland spring flyway for the Atlantic population (Ryff 1986). Part of this population apparently arrives at the Labrador Sea, follows the coastline to Hudson's Strait, enters the Strait and continues to the islands of northern Hudson Bay in the Arctic Ocean.

Both populations overlap (around Queen Maud Gulf, Canada) while nesting in the mossy and grassy marshes on the tundra coastlines of the Arctic Ocean. This nearly circumpolar range extends from the Taimyr Peninsula in Siberia in the west to Spitzbergen, Norway, in the east.

In the fall, the Atlantic population is largely pelagic in its southern movement, but at least part of the population moves overland to the Atlantic as evidenced by fall records from the Great Lakes (Lambert 1973). To chart the path of this fall overland movement, I mapped (see below) every Fall 1987 record reported in American Birds with its sighting date. That fall's reports were the largest number ever reported for the fall season.

Even with the coastal records deleted and assuming most records are immature birds (many reports do not include age), the fascinating riddle remains as to the origin of these birds and the route of their southern path. There appears to be an eastern to western movement across the United States, but does this mean that part of the Atlantic population joins the Pacific population? Perhaps these are just random movements, but then why are they restricted to the mid-western states? It is interesting to note that the records for the southwest are primarily for September while the upper midwest (including the Great Lakes) records are from October and November for the most part. One would expect the opposite pattern to emerge unless the southwestern birds are from the Pacific population.

Since 1976, southern Ontario has averaged three Sabine's gulls per autumn with highs of seven in 1984 and a phenomenal twenty-seven in 1987 (Weir 1988). In late October of this year (1988), there were at least five such birds along the Niagara River (R. F. Andrie, pers. comm.). The Middlewestern Prairie Region (OH, IN, IL, IA, KY, MO) has averaged three such gulls per autumn since 1974. Lake Michigan has had at least twenty-one Sabine's gulls since the mid-1800's (Brock 1986).

All but two of Ohio's previous records have been fall birds:

DATE	LOCATION	OBSERVER	SOURCE	COMMENTS
Prior 1880	Cleveland Harbor	R.K. Winslow	Wheaton, 1882	One, collected
10-09-26	Buckeye Lake *	M.B. Troutman	Troutman, 1940	One immature, collected
09-21-40	Near Milton Lake *	D.R. Eckelberry	Bird-Lore, 1940	One
12-27-52	Ashtabula	L. Hicks/E. Limes	Aud. Field Notes 7:113,216	One
10-20-56	Lake St. Mary's Fish Farm *	C.F. Clark	Clark & Sipe, 1966	One, collected OSM
9-30/11-18-67	Cleveland lakefront	J. Surman et/al	Cleveland BC, Fall 1967	One immature
10-4-70	Kemper Reservoir *	H. Schuer	Am. Birds 25:66	One
12-15-74	Bayshore power plant, Toledo	L.W. Campbell/ W.E. Smith, Jr.	Campbell, 1974 Am. Birds 29:366	One immature
09-13-75	White City, Cleve.	R. Hannikman	Am. Birds 30:80	One immature
9-30/10-9-78	White City/Wildwood (Cleveland lakefront)	W. Klam, et/al	Clev. BC, Fall 1978	One immature
11-02-79	Off Cedar Point Peninsula	J. Pogacnik	Ohio Cardinal V2,N3	One immature
10-20-80	Edgewater (Cleveland lakefront)	T. LePage	Clev. BC, Fall 1980	One immature
09-18-82	Huron dda (dredge disposal area)	L. Rosche/C. Hovevar	Am. Birds 37:187	One immature
10-15-82	E. 55th Street (Cleveland lakefront)	T. LePage	Cleve. BC, Fall 1982	One immature
10-16-82	Huron dda	R. Hannikman et/al	Am. Birds 37:187	One immature
09-15-84	Huron dda	T. LePage et/al	Am. Birds 39:61	Seven immatures:one adult
10-05-85	Metzer Marsh (Lucas County)	J. Pogacnik	Am. Birds 40:121	One immature
11-3/13-85	Hueston Woods Marina *	D. Styer et/al	Am. Birds 40:121	One immature
10-3/11-87	Mintor MSP	L. Rosche/R. Hannikman	Cleve. BC, Fall 1987	One immature
10-03-87	Sims Park/Edgewater	R. Hannikman/T. LePage	Cleve. BC, Fall 1987	One immature
10-07-87	Huron/Lorain	K. Alexander/J. Pogacnik	Ohio Cardinal Vol. 11, No. 1	One
10-11-87	Crane Creek SP (Lucas County)	R. Counts/K. Alexander	Ohio Cardinal Vol. 11, No. 1	One
10/11-12/87	Deer Creek Res. *	B. Peterjohn/ M. Gustafson	Am. Birds 42:83	One
10-21-87	Sherrrod Park (Erie County)	R. Counts/K. Alexander	Ohio Cardinal Vol. 11, No. 1	One
10-25-87	Sims Park (Cleveland lakefront)	R. Hannikman	Cleve. BC, Fall 1987	One immature

Cleve. BC: Cleveland Bird Calendar
* Inland

The behavior of the E. 72nd bird is best summed by this comment from Bent:

"on the wing, this species bears a closer resemblance to a tern than it does to the other gulls. It flies with continuous wing beats, seldom, ..., sailing and its flight is direct, though not straight. It may swoop to the earth to pick up a bit of food or hover a moment if something attracts its attention, but only for an instant does it delay before resuming its onward flight in the direction it was going." (Bent 1921)

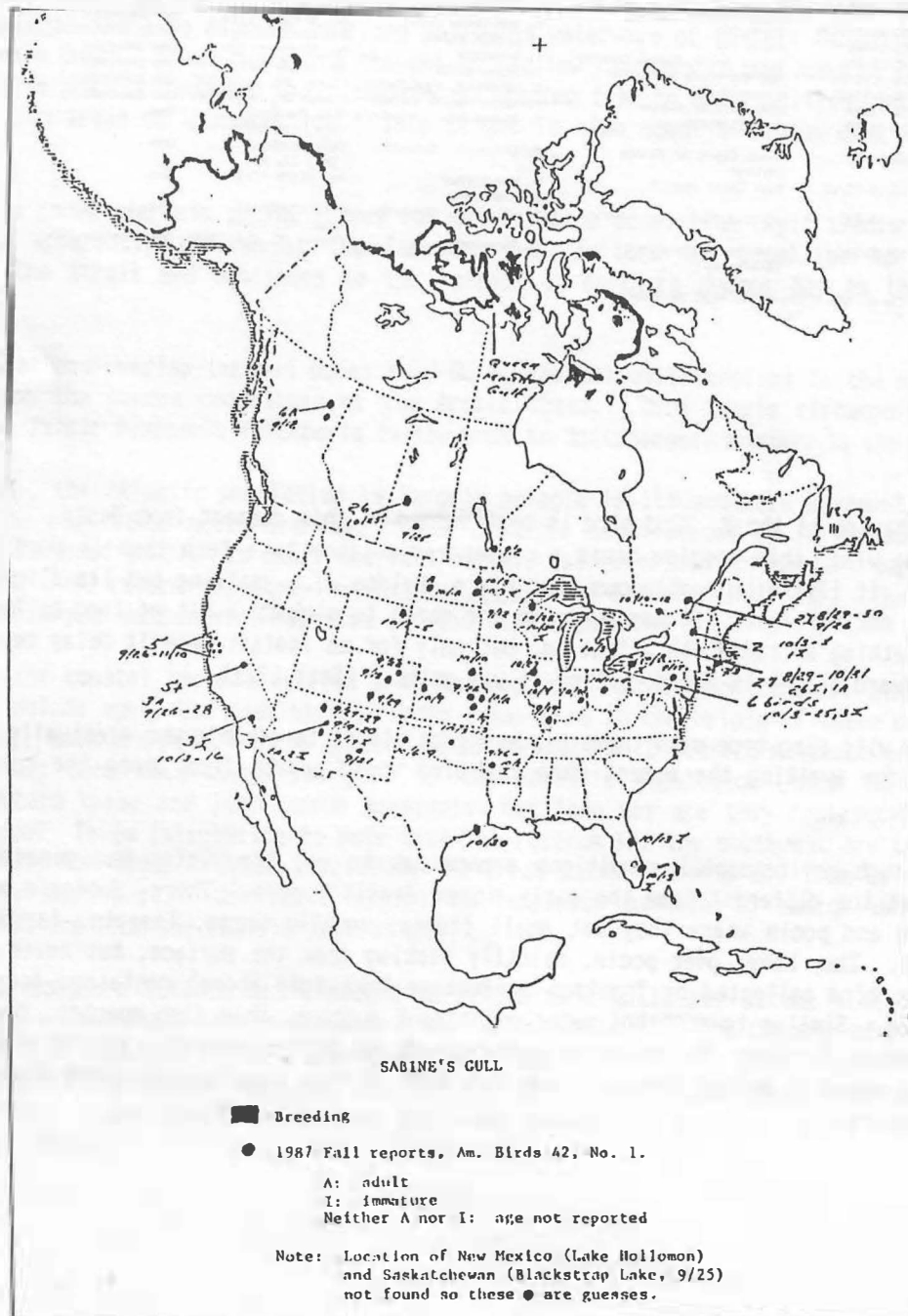
These words will ring true with those birders from all parts of Ohio who eventually stood on the fishing bridge awaiting the moment when the bird would appear from among the congregation of other gulls.

Although environmental conditions seemed raw to us, the winter was generally mild and probably not too different from the early summer Arctic tundra. There, Sabine's gulls feed in small ponds and pools where they eat small fishes, aquatic worms, insects, larvae, and small crustaceans. They hover over pools, daintily picking from the surface, but never diving (Bent 1921). The bird collected by Troutman at Buckeye Lake (see above) contained four, three-inch Gizzard shad. Similar to most hot water outlets, I suppose, this fish species, dead and alive, was abundant at E. 72nd. The water surface beneath the bridge seemingly boiled with them. Some individuals actually seined them and took them away in huge aquatic containers fixed to the beds of their trucks.

By February 10th, most of the estimated fifteen thousand Bonaparte's gulls had left the lakefront and the lake had frozen (except for the outlet area and its nearby basin). But now, the Sabine's, as the Lorain turnstone, seemed committed to remain. It would do so until April 11, 1989. Thus, it became the first ever overwintering North American record and gave many a chance to see it age to its rarely seen first-summer plumage (Grant 1986). Intriguing is the fact that most first-year Sabine's gulls spend their first summer in the southern hemisphere and do not return to the Arctic until their second summer (Harrison 1983). I wonder where this individual will go?

The E. 72nd area would furnish other notable birds throughout the winter to Sabine's seekers: Little (up to eight), Lesser Black-backed, Iceland, Glaucous, Thayer's, and California gulls; Northern shrike, Red phalarope, Snowy owl, Oldsquaw, Black scoter, Harlequin duck, and Peregrine falcon.

Mike and I left that January day, after finding the Snowy owl and a Little gull, unmindful of all of this, simply a little more relaxed after our outing.



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Sabine's gull. Cleveland, Ohio. 25 February 1989.
Photograph by Dick Hoffman.

How to Pronounce Sabine's Gull and Pomarine Jaeger

Tom Kemp

There are many bird names that one hears pronounced a number of different ways. For example, Pileated woodpecker has two common pronunciations, Plll-ee-ated and Ple-lee-ated. Both are correct, according to Terres (1980). I grew up pronouncing Parula warbler "Pa-ROO-lah" but now that I am older and wiser I hear that it is pronounced "PAR-you-lah". I guess I'll have to mend my ways. I can envision calling out "Pa-ROO-lah warbler" along the bird boardwalk this spring, only to have a nearby youngster coldly say, "You mean PAR-you-lah, don't you?". How embarrassing.

With all of the interest in Sabine's gull and Pomarine jaeger in Ohio recently, I thought it would be a good idea to review the correct pronunciation of those two species' names. I have heard Sabine's gull pronounced at least five different ways. They include: SAY-binns, SAB-inns, SAY-bines, SAY-beans, suh-BEANS, etc. I always liked SAY-binns myself. But now I find again that I better shape up and say "SAB-inns" (SAB rhymes with cab) (Terres 1980).

Now for the jaeger, pronounced "YAY-ger". My personal choice for Pomarine was always "POM-uh-reen" (POM rhymes with mom), but one also hears POH-ma-reen, POM-uh-rine, and POH-muh-rine (last two rhyme with fine). Alas, I'll have to change again as the correct pronunciation is POH-muh-rine (POH rhymes with OH and rine with fine) (Terres 1980, Balch 1986).

Ready folks, altogether now, "PAR-you-lah warbler, SAB-inns gull, POH-muh-rine YAY-ger." I think we've got it! Anyone for Craverl's murrelet?

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Sabine's gull, Cleveland, Ohio, February 1989. Photograph by Vic Fazio.

THE WINTER SEASON 1988-89
DECEMBER 1 - FEBRUARY 28

Matt Anderson and Tom Kemp

I had been looking forward to a trip to Cleveland for a couple of weeks. Sabine's gull, California gull, Tufted duck in Lorain and Harlequin duck at Avon Lake...all potentially new state birds for me. Obligations associated with a new baby, a very busy work schedule and a surprisingly lackluster winter birding season in Northwest Ohio made me eager to squeeze in my one opportunity to get away and pick up some good birds.

But, alas, as has happened to all of us, things didn't turn out quite as envisioned. I was greeted at East 72nd street in Cleveland at 9:00 AM by cloudy skies, very strong westerly winds, very few birds and news from Tom LePage of all the great birds that had been there yesterday. All of these elements were soon accompanied by that pleasant lakeshore phenomenon: horizontal rain. It doesn't seem to fall: it just races along and pelts you in the eyeballs. I ended my outing with nary one of the aforementioned birds. And so I sit here practically drooling over all the good records from Northeast Ohio this winter. The list is impressive. For starters, what about the Sabine's Gull in Cleveland, representing the first North American interior winter record? Add to that Pomarine and Parasitic jaegers, an additional 14 species of gulls, (including California and Mew), Harlequin and Tufted ducks. Add a Varied thrush and you should be able to keep birders quite well entertained over the course of a winter season as was certainly the case this time around.

The birding situation was quite the contrary in the northwest corner of the state. Western Lake Erie and environs generally provide at least their share of rarities during any season. However, except for a series of surprising gull sightings on the Maumee River in December and January it was one of the most uneventful winters for birds in Northwest Ohio in a good many years. Many observers throughout the state commented on apparent declines in songbird populations. Poor seed and berry crops resulting from last summer's drought was almost certainly a contributing factor. Additionally, virtually no winter finches travelled south to spend the winter in Ohio.

Weather-wise, it was surely not a brutal winter by any stretch of the imagination. Most of the state had easily below-normal amounts of snowfall and there were no prolonged deep freezes of more than a few days duration. Large parts of Lake Erie remained open all winter.

The following paragraphs summarize the highlights of the Winter 1988-89 birding season. Note, however, that all Christmas count records are handled in a separate article within this issue.

A Red-throated loon at Mentor Headlands on December 3 was noteworthy and the only one reported during the season. Eight sightings of Common loons was about normal, most of these being seen in December. Red-necked grebes were represented by two sightings including two at Vermilion on December 1 and an Eared grebe was at Mentor Headlands on December 3. A dozen Double-crested cormorants spent the last half of January near Cleveland. The dramatic increase in this species population is now making it possible to find this species during every month of the year in Ohio. No particularly large concentrations of Tundra swans lingered past November: the largest number reported was 60 at Lorain on December 11. Greater White-fronted geese were reported from three locales, all of them in Southwest Ohio. Two Brant were seen at Sherrod Park in Erie County on December 1. All of the expected puddle duck species were present. As always, Castalia is the prime winter spot to pick up a good variety from this group.

Seventeen species of diving ducks were recorded this period; the only one missing from the list was the very rare Barrow's goldeneye. The rarest find was the Tufted duck in Lorain on February 11, constituting Ohio's second record. Certainly noteworthy was the fact that Harlequin ducks were tallied from five locales along Lake Erie. All three scoter species were found in low numbers with all records coming from north-central and northeastern Ohio. A report of close to 3000 Greater scaup off Lorain in mid-February was certainly impressive as was the concentration of 30,000 Red-breasted mergansers off Perkins Beach.

Turkey vultures were recorded in four counties during the winter period and Black vultures two, including 14 in Adams County on February 8. Sightings of Bald eagles were scattered across the state. Two spent the winter along the Ohio River in Washington County. Rough-legged hawks were present in low numbers, but records came from throughout the state. The Peregrine falcon pair remained in downtown Toledo. Three sightings of Sandhill cranes in early December were highlighted by a group of at least 30 in Cincinnati on December 8. Seven species of shorebirds were noted during the winter period. Most unusual were the Ruddy turnstone that spent the winter at Lorain, the Sanderling at Ottawa National Wildlife Refuge on December 4, and the Red Phalarope that lingered in Cleveland throughout December and January.

A very impressive 17 species of jaegers and gulls are included in this year's report, compared to 10 last year. Most of the unusual species were seen along Lake Erie in north central and northeastern Ohio. An estimated 30,000 Bonaparte's and 65,000 Ring-billed gulls in Cleveland December 29 is certainly impressive. The premier bird in this group for the season was undoubtedly the Sabine's gull which was present in Cleveland from January 21 through the end of the period. Pomarine jaegers were reported from five localities along Lake Erie; some of these sightings may have represented the same birds wandering the lakeshore. An unusual concentration of up to eight Little gulls was present in Cleveland in January and early February. California gull sightings came from Huron, Lorain, and Cleveland. The only Common Black-headed gull was in Lorain during late December and early January. Ohio's third record of a Mew gull came from Lorain on January 21. Thayer's, Iceland, and Glaucous gulls were all seen in what appeared to be slightly greater numbers than usual. Black-legged kittiwakes, rare in winter, were reported from Lorain and Cleveland. The Maumee River rapids in western Lucas County provided what may be an unprecedented variety of gulls for an inland setting: Iceland, Lesser Black-backed, Glaucous and Great Black-backed gulls were all tallied.

Snowy owls were scarce this winter; only two were reported. Short-eared owls were sighted from 9 locations throughout the state topped by the nine at Killdeer Plains. Killdeer Plains supported Long-eared, Short-eared, and Northern Saw-whet owls during the period. Fascinating, but without details, is a report of a Ruby-throated hummingbird from Cincinnati on December 8. Eastern phoebes were seen in both Hocking and Adams Counties in January. Red-breasted nuthatches were scarce, but sightings came from scattered locations. One of Ohio's few Varied thrush records came from Westlake in Cuyahoga County. Northern and Loggerhead shrikes were represented by only one record each.

Yellow-rumped warblers appeared to be down, possibly due to reduced food availability as a result of the drought. Ditto for White-throated sparrows which were obviously down in many parts of the state. Lapland longspurs and Snow buntings were both decidedly scarce throughout most of the state. Longspurs were reported only from Seneca County with a maximum of 50, and significant numbers of Snow buntings were noted only in Hancock and Seneca Counties. A singing Western meadowlark at Killdeer Plains on January 23 was a surprise. Blackbirds were generally scarce in northwest Ohio; most must have moved south to spend the winter in Columbus as evidenced by the 50,000 Common grackles and 3000 Brown-headed cowbirds. Winter finches were practically non-existent. Only a single Pine siskin report was received along with 4 Evening grosbeak reports. No Common redpolls were noted. Two Red crossbills were found at Cantwell Cliffs in Hocking County.

In the following reports, an asterisk indicates a species has been documented and accepted by the Records Committee. Documentation should be submitted for species wintering in Ohio that do not typically winter in the state. Commonly used abbreviations include ONWR (Ottawa National Wildlife Refuge), CPNWR (Cedar Point National Wildlife Refuge), and CVNRA (Cuyahoga Valley National Recreation Area).

Loons through Puddle Ducks

Red-throated Loon-12/3 Mentor Headlands, Lake Co. (m.ob., ph.). Common Loon-12/3 L. Cowan, Clinton Co. (2) (LG), 12/3 Mentor Headlands (25) (ECP), 12/6 Findlay Res. (BH), 12/26 Salt Fork SP, Guernsey Co. (TL), 1/2 Caesar Creek Lk., Warren Co. (CM), 1/21 Rocky Fork Lk., Highland Co. (DD), 1/29 Ferguson Res., Allen Co. (RC). Pied-billed Grebe-12/1-2/28 Summit Lake, Summit Co. (5-10) (ECP, LK), 2/21 East Fork SP (4) (DB), ten wintered in Columbus (KA). Horned Grebe-12/3 Buck Creek SP (8) (DO), 12/3 Mentor Headlands (40) (ECP), 12/31 Lorain (Eth), 1/8 Cleveland (RH). Red-necked Grebe-12/1 Vermilion, Erie Co. (2) (KA), 12/4 Summit Lk. (LK*). Eared Grebe-12/3-4 Mentor Headlands (ECP, RH). Double-crested Cormorant-12/11 Lorain (KMo), 1/3 Lorain (KA), 1/14-25 Cleveland (12) (m.ob.), 2/6-13 Cleveland (PE). Great Blue Heron-12/4 ONWR (112), 12/11 Darby Marsh (45) (KMo), 1/7 Eastwood Lk., Montgomery Co. (24) (DS), 2/5 Buck Creek SP (22) (DO), 40-50 wintered in Columbus (KA). Mute Swan-12/4 Mosquito Lake (DH), 12/15 Nesmith Lk., Summit Co. (2-4) (ECP, LK), 12/31-1/22 Wilmington (3) (LG), 1/25-2/28 Fremont (TB). Tundra Swan-12/10 Summit Lk. (5) (LK), 12/11 Lorain (60) (Eth), 12/31-1/2 Xenia (JHi, JH), 1/30 Trumbull Co. (4) (VF), 2/3 Pickerington Pond (50) (KM), 2/4 Ashabula Co. (5) (VF). Greater White-fronted Goose-1/2-4 Springboro (TLi, SU*), 1/17-28 Hueston Woods SP (3) (m.ob.*), 1/22-28 CJ Brown Res. (DO, ph.). Snow Goose-12/3 Mosquito Creek WA (12) (NB), 12/4 ONWR (50, 25 each phase), 12/14 Buck Creek SP (3) (CBu), 1/1 Hoover Res. (KM), 1/7 Cedar Point, Erie Co. (Eth), 1/10 Findlay (BH), 1/16 L. Isaac, Cuyahoga Co. (RH), 1/19 Huron (3) (TB), 2/1-8 Castalia (3) (VF), 2/19 Caesar Creek Lk. (3) (JHi). Brant-12/1 Sherrrod Pk., Erie Co. (2) (KA, ph.). Canada Goose-12/4 ONWR (3000), 12/13 Findlay (786) (BH), 1/1 Buck Creek SP (500) (DO), 1/28 Hueston Woods SP (500) (JSte), 1/28 Clearfork Res., Richland Co. (500+) (JVH), 1/30 Mosquito Creek WA, Trumbull Co. (1500) (VF), 2/5 ONWR (2350), 2/19 Killdeer Plains (500) (AF). Wood Duck-12/17 Buck Creek SP (CBu), 1/1 Springfield Lk., Summit Co. (LK), 1/9-14 Cleveland (KA, RH), 1/28 Northfield (DAC), 1/31 Findlay (BH). Green-winged Teal-12/4 ONWR (28), 2/17 Castalia (VF). Am. Black Duck-12/4 ONWR (350), 12/17 Buck Creek SP (500) (DO), 1/21 L. Cowan (300) (LG), 1/28 Hueston Woods SP (500) (NK), 2/8 Castalia (1500) (VF), 2/18 Ashabula Co. (300) (VF). Mallard-12/4 ONWR (10,000), 12/10 Buck Creek SP (3000) (DO), 12/20 Findlay Co. (779) (BH), 2/8 Castalia (5400) (VF), 2/18 Lake Co. (1000) (VF). Northern Pintail-12/4 ONWR (27), 1/8 CPNWR (15), 1/7-21 Castalia (Eth, TB), 1/22 Buck Creek SP (8) (DO), 1/28 Wilmington Res. (3) (LG), 1/31 Hancock Co. (4) (BH). Northern Shoveler-12/4 ONWR (4), 2/8-28 Castalia (27) (VF). Gadwall-12/4 ONWR (30), 12/4 MAMA (45) (DH), 1/22 Buck Creek SP (6) (DO), 1/24 Mogadore (12) (PE), 1/29 Hamilton Co. (4) (NK), 2/12-24 Castalia (4-14) (VF). Am. Wigeon-12/4 ONWR (24), 1/15 Cleveland (15) (AF), 2/1-28 Castalia (130-190) (VF).

Diving Ducks

Canvasback-1/7 Lorain (1000) (TL), 1/15 Cleveland (2000) (RH), 2/12-28 Lorain (1200) (VF), 2/13 Cleveland (3000) (PE), 2/18 Ashatabula Co. (245) (VF). **Redhead**-1/10 Gordon Pk. (120) (PE), 1/22 Gordon Pk. (600) (PE), 1/31-2/12 Lorain (max 440) (VF), 2/18 Ashatabula Co. (160) (VF). **Ring-necked Duck**-12/3 Wilmington Res. (7) (LG), 2/8-28 Castalia (9-13) (VF), 2/22 Hancock Co. (51) (fide BH), 2/25 Buck Creek SP (15) (DO). **Tufted Duck**-2/11 Lorain (2nd state record) (KA*). **Greater Scaup**-2/12-17 Lorain (2900) (VF). **Lesser Scaup**-1/31-2/17 Lorain (max 210) (VF), 2/18 L. Cowan (50) (LG). **Harlequin Duck**-1/2-6 Lorain (KA), 1/8 Mentor Headlands (2) (AF), 1/14-21 Gordon Pk., Cuyahoga Co. (2) (m.ob.), 1/19 Painesville Co. Park (2) (PE*), 2/24-28 Avon Lk. (2) (TK, VF, m.ob.). **Oldsquaw**-12/10 Cleveland (TL), 12/11 Buck Creek SP (2) (DO), 12/17-1/3 Lorain (KA, ETH), 1/1 Cleveland (PE), 1/8-9 Cleveland (4) (RH, KA), 1/28 Gordon Pk. (ECP), 2/12 Avon Lk. (TK, ED), 2/14 Lorain (ETH), 2/25 Cleveland (PE). **Black Scoter**-12/22 Perkins Beach (TL), 1/2 Huron (KA), 1/28 Gordon Pk. (2) (ECP), 2/13 Eastlake (2) (TL). **Surf Scoter**-12/3 Rocky River/Huntington Beach, Cuyahoga Co. (2) (TL), 12/12 Perkins Beach (2) (TL), 12/17-1/20 Lorain (KA, ETH), 2/11-12 Lorain (m.ob.). **White-winged Scoter**-12/3 Bay Village (2) (TL), 12/12 Cleveland (3) (TL), 12/22 Perkins Beach (2) (TL), 1/9 Avon Lk. (3) (KA), 1/14 Cleveland (KA), 2/12 Lorain (2-3) (ECP, VF), 2/28 Summit Lk. (LK). **Common Goldeneye**-12/17 Buck Creek SP (35) (DO), 1/15 Darby Marsh (25) (KM), 1/22 Sherrod Pk., Erie Co. (73) (ETH), 1/28 Hueston Woods SP (60) (NK), 2/12 CPNWRC (1250), 2/12-28 Lorain (max 1800) (VF), 2/18 Ashtabula Co. (180) (VF). **Bufflehead**-12/3 Buck Creek SP (40) (DO), 1/19 Gordon Pk. (27) (TL), 2/12-28 Lorain Co. (45-50) (VF, PE), 2/18 Ashtabula Co. (29) (VF). **Hooded Merganser**-12/1 Lorain (20) (TL), 12/3 Buck Creek SP (20) (DO), 2/8-17 Castalia (VF). **Common Merganser**-2/12 CPNWRC (750), 2/12-28 Lorain Co. (max 3600) (VF), 2/26 Buck Creek SP (15) (DO). **Red-breasted Merganser**-12/3 Perkins Beach (30,000) (TL), 2/12-28 Lorain Co. (max 1400) (VF). **Ruddy Duck**-12/17 Buck Creek SP (DO), 1/24 Cleveland (RH), 2/24 Lorain (VF), fifteen wintered at Summit Lk. (LK), listed as down in the Wilmington area (LG).

Vultures through Shorebirds

Turkey Vulture-12/3 Lucas Co. (TK), 1/1 Hoover Res. (KM), 1/5 Clear Creek, Fairfield Co. (KA), 2/28 Killdeer Plains (ETH). **Black Vulture**-1/5 Hocking Co. (4) (KA), 2/8 Adams Co. (14) (BL). **Osprey**-Late: 12/4 Caesar Creek Lk. (GK, MK), 12/6 Xenia (JHi). **Bald Eagle**-12/2 Springfield (BA), 12/4 ONWRC (2), 12/6 Pleasant Hill, Miami Co. (BH), 12/17 Buck Creek SP (m.ob.), 12/18 Mosquito Lk. (2) (CBa), 12/28 Hamilton Co. (AK), 1/18 Hamilton Co. (BJ), 1/24-31 Hamilton Co. (1-3) (JR, KM), 2/4-19 Killdeer Plains (2) (m.ob.), 2/26 Caesar Creek Lk. (CM), two wintered along Ohio River in Washington Co. (LB). **Northern Harrier**-2/11 Killdeer Plains (23) (NK), 39 other reports statewide. **Sharp-shinned Hawk**-17 reports statewide. **Cooper's Hawk**-20 reports statewide, numbers way up (TB). **Red-shouldered Hawk**-17 reports statewide. **Red-tailed Hawk**-2/19 Ross/Pickaway Co. line (19) (NK). **Rough-legged Hawk**-12/6 Erie Co. (ETH), 12/18 Wayne Co. (4) (JVH), 12/19 Gordon Pk. (TL), 1/1 Adams Co. (BL), 1/8-2/12 CPNWRC (4), 1/21 Highland Co. (DD), 2/4 Jefferson Co. (NL), 2/5 ONWRC, 2/10 Lorain Co. (TL), 2/19 Circleville, Pickaway Co. (6-7) (LG, NK), 2/12-24 Burke Airport (m.ob.), 2/28 Englewood Res. (CB), two wintered near Mosquito Creek WA (CBa). **Peregrine Falcon**-12/3 Cortland, Trumbull Co. (CK), pair wintered in Toledo (m.ob.), 12/1-1/14 Huron (KA). **Am. Kestrel**-1/10 Hancock Co. (24) (BH), 2/19 Killdeer Plains (19) (AF). **Ring-necked Pheasant**-9 reports statewide. **Ruffed Grouse**-12/8 Clermont Co. (MP), 1/4 Adams Co. (BL), 1/7 Muskingum Co. (KM), 1/9 Trumbull Co. (DH). **Wild Turkey**-1/3 Richland Co. (40) (JVH), 12/4 Adams Co. (4) (BL), 1/18 Scioto Trails SF, Ross Co. (KA). **Bobwhite**-12/4 Caesar Creek (9) (LG), 12/18 Adams Co. (8) (BL), 1/18 Stages Pond (KA), 2/21 Clermont Co. (DB). **Am. Coot**-12/6 Wilmington Res. (30) (LG), 12/8 LaDue Res., Geauga Co. (18) (AF), 12/17 Buck Creek SP (33) (DO), 2/12-17 Lorain (max 15) (VF, DH). **Sandhill Crane**-12/3 Spring Valley (9) (HG, CM, SU), 12/6 Spring Valley (10) (GI), 12/8 Cincinnati (30-50) (DKL). **Killdeer**-12/3 Buck Creek SP (10) (DO), 12/4 ONWRC (4), 12/18 Wayne Co. (JVH), 1/4-12 Columbus (KA), 1/31 Columbus (KA). **Ruddy Turnstone**-one wintered at Lorain (m.ob., ph.) (see article this issue). **Sanderling**-Late: 12/4 ONWRC. **Dunlin**-12/4 ONWRC, 1/7-22 Lorain (m.ob., ph.). **Common Snipe**-12/26 Stark Co. (4) (KM), 1/28 Lunken Airport (DB). **American Woodcock**-12/12 Mosquito Lake (DH), 2/28 Springville Marsh, Seneca Co. (TB), 2/28 Washington Co. (LB), 2/28 Lunken Airport, Hamilton Co. (3) (DD). **Red Phalarope**-12/1-1/29 Cleveland (1-2) (m.ob.).

Jaegers through Gulls

Pomarine Jaeger-12/1 Avon Lk. (2) (KA, ph.), 12/5 Mentor Headlands (KA), 1/2 Lorain (KA), 1/3-9 Huron (1-2) (KA), 1/14 Cleveland (2) (m.ob.). Parasitic Jaeger-12/1 Avon Lk. (KA). Laughing Gull-12/22-1/10 Huron (KA*). Little Gull-1/9 Lorain (KA), 1/28 Lorain (KA), 1/8-2/12 Cleveland (max 8) (Wow!-Ed.) (m.ob.). Common Black-headed Gull-12/17-1/3 Lorain (KA*). Bonaparte's Gull-12/10 Buck Creek SP (500) (DO), 12/29 Cleveland (30,000+) (TL), 1/17 Eastlake (3100) (VF), 1/31 Gordon Pk. (2700) (VF). Mew Gull-1/21 Lorain (TE*) (about the 3rd state record). Ring-billed Gull-12/10 Buck Creek SP (800) (DO), 12/25 Cleveland (65,000+) (TL), 2/4 Ashtabula Co. (12,000) (VF). California Gull-12/22-1/10 Huron (KA*), 1/10-20 Lorain (KA), 1/14-15 Cleveland (KA*, m.ob.), 2/22 Cleveland (RH, JE). Herring Gull-2/4 Ashtabula Co. (4500) (VF). Thayer's Gull-1/5-2/17 Lorain (m.ob.), 2/4-11 Cleveland (1-2) (TL, RH, KM), 2/27 Cleveland (TL). Iceland Gull-12/19 Cleveland (TL), 2/1-27 Cleveland (max 3) (m.ob.), 2/25 Lorain (TK), Inland: 12/30-1/5 Maumee R. Rapids (2) (TK*, ET). Lesser Black-backed Gull-12/1-5 Lorain (TL, ETH), 1/5-2/25 Lorain (1-2) (m.ob.), 1/29-2/27 Cleveland (m.ob.), Inland: 12/30-2/5 Maumee R. Rapids (TK*, ET). Glaucous Gull-12/19 Mentor Headlands (PE), 12/21-1/5 Lorain (1-3) (ETH, TL), 1/21-2/25 Lorain (max 4) (m.ob.), 1/24-2/26 Cleveland (max 3) (m.ob.), 2/4 Edgewater Pk. (3) (TL), 2/25 Avon Lk. (2) (TK, m.ob.), Inland: 12/28-1/15 Maumee R. Rapids (2) (TK*, ET). Great Black-backed Gull-1/5 Lorain (27) (ETH), 1/15 East Harbor, Ottawa Co. (75) (KMo), 2/4 Ashtabula Co. (70) (VF), 2/5 ONJRC (25), Inland: 12/30 Maumee R. Rapids (TK). Black-legged Kittiwake-1/7-20 Lorain (ECP, KA, KMo), 2/18 Cleveland (RH). Sabine's Gull-1/21-2/28 Cleveland (m.ob., ph.) (first winter record for interior North America; see article this issue).

Doves through Shrikes

Mourning Dove-1/21 Columbus (1000) (KA). Common Barn-Owl-late January, Shaker Lakes (fide VF). Snowy Owl-1/6 Hancock Co. (BH), through period at Burke Airport, Cuyahoga Co. (m.ob.) [only reports]. Long-eared Owl-1/7 Hartsville, Stark Co. (KMo), 2/11-19 Killdeer Plains (3-4) (RH, AF, NK). Short-eared Owl-12/3 Maumee Bay SP (5-6) (JSt), 12/17 Clark Co. (BA, JSm), 1/13 Montgomery Co. (CC), 1/15 Lunken Airport (2) (LG), 1/19 Seneca Co. (TB), 1/25 Jefferson Co. (6) (NL), 1/28 Killdeer Plains (9) (CBo), 1/29 Gordon Pk. (RH, TL), 2/26 Buck Creek SP, Clark Co. (3) (DO). N. Saw-whet Owl-12/1-2/15 Seiberling Nature Center, Summit Co. (m.ob.), 2/2-2/18 Englewood Res. (BM, MM), 2/26 Killdeer Plains (RC), 2/27 Clermont Co. (BC). Ruby-throated Hummingbird-12/8 Cincinnati (DC) [no details-Ed.]. Belted Kingfisher-numbers down in Beaver Creek area (NL). Red-headed Woodpecker-1/14 Mill Creek Pk., Mahoning Co. (3), (NB), 2/16 Lisbon (NL). Yellow-bellied Sapsucker-12/17 Meander Res., Mahoning/Trumbull Cos. (CBa), 12/20 Findlay (DK), 12/21 Lima (RC), three wintered in E. Liverpool (NL), 2/18 Hamilton Co. (NK). Northern Flicker-12/7 Maumee River (ET), 12/11 Wilmington Res. (LG), 12/25 Lima (RC), 1/1 Buck Creek SP (6) (DO), 1/2 CUNRA (DAC). E. Phoebe-1/5 Hocking Co. (KA), 1/18 Adams Co. (BL). Horned Lark-1/16 Trumbull Co. (30) (DH), 2/7 Hancock Co. (314) (BH), 2/19 Killdeer Plains (25) (AF), 2/26 Buck Creek SP (20) (DO). Am. Crow-12/15 Lucas Co. (3500) (TK), 12/17 Springfield (3000) (DO), 1/25 Maumee River (1570) (ET), High: roost of 8400 at Mansfield all winter (JVH), roost of 1000 in Columbus in Feb. (KA). Carolina Chickadee-1/15-2/28 Springville Marsh (3+ banded-probably most northerly Ohio record) (TB). Red-breasted Nuthatch-12/13 Findlay (BH), 12/30 Mohican SP, Ashland Co. (JVH), 1/28 Hueston Woods SP (CM), 2/18 Hamilton Co. (2) (NK), wintered at Tiffin (TB), wintered at Wilmington (LG). Brown Creeper-reported down in Richland/Ashland Cos. (JVH). Carolina Wren-12/8 Hamilton Co. (nest with eggs!) (JR). Winter Wren-12/3 Cleveland (LK), 12/4 Adams Co. (BL), 12/4 Firestone MP, Summit Co. (ECP), 12/10 Hamilton Co. (NK). Golden-crowned Kinglet-reported down in Richland/Ashland Cos. (JVH). Ruby-crowned Kinglet-2/26 Mill Creek Pk. (NB). Eastern Bluebird-12/17 Quail Hollow SP, Stark Co. (25) (KMo), 15-20 wintered at Mosquito Lake (DH). Hermit Thrush-12/18 Adams Co. (BL), 1/4 Adams Co. (BL), 2/3 Cartwell Cliffs, Hocking Co. (KM). American Robin-hundreds wintered in Columbus (KA), wintered Shaker Lakes (190) (VF). Varied Thrush-1/16 Westlake, Cuyahoga Co. (m.ob., ph.). Northern Mockingbird-2/1 Cleveland (RH). Brown Thrasher-1/18 Clermont Co. (DB). Cedar Waxwing-12/17 Springfield (23) (DO), 12/27 Hancock Co. (49) (m.ob.), 2/1 Scioto Co. (15) (BL), 2/3 Sagamore Hills, Summit Co. (10-15) (DAC), 2/16 Tiffin (18) (TB). Northern Shrike-12/1-2/28 Gordon Park (m.ob.). Loggerhead Shrike-2/19 Hueston Woods SP, Preble Co. (TLi).

Warblers through Finches

Yellow-rumped Warbler-12/6 ONWR (JSto), 12/18 Adams Co. (19) (BL), 1/2 Cantwell Cliffs (KM), 1/16 Clermont Co. (DD), reported down in Akron area and NW Ohio (LK, TK). Common Yellowthroat-12/4 ONWR (2). Rufous-sided Towhee-1/1 Richland Co. (JVH), 1/18 Adams Co. (5) (BL), 1/30 Grand River WA, Lake Co. (VF), wintered in E. Liverpool (NL). Am. Tree Sparrow-12/11 CPNWR (322). Fox Sparrow-12/27 Adams Co. (BL). Swamp Sparrow-12/10 Hamilton Co. (NK), 12/11 Darby Marsh (4) (KMc), 1/1 Buck Creek SP (4) (DO). White-throated Sparrow-low numbers in Eastern, NE, and NW Ohio (NL, VF, LK, TK). White-crowned Sparrow-12/3 Maumee Bay SP (4) (JSto), 12/17 Buck Creek SP (8) (DO), 2/28 Hancock Co. (m.ob.), 2/28 Lorain Co. (9) (ETH). Lapland Longspur-2/5 Seneca Co. (50+) (TB), 2/28 Seneca Co. (10) (TB). Snow Bunting-12/3 Buck Creek SP (3) (EA), 12/6 Findlay Res. (182) (BH), 1/3 Findlay Res. (125) (BH), 2/5 Seneca Co. (500+) (TB), 2/28 Seneca Co. (500+) (TB). Red-winged Blackbird-1/10 Geauga Co. (800) (AF), 2/28 Mentor-on-the-lake (180) (VF). E. Meadowlark-12/4 ONWR, 1/23 Killdeer Plains, Wyandot Co. (3) (KA). W. Meadowlark-1/23 Killdeer Plains (singing, KA). Yellow-headed Blackbird-2/26-28 Mentor-on-the-Lake (VF, ph.). Rusty Blackbird-12/4 ONWR (6), 12/7 Mosquito Creek (CBa), 12/11 Canfield, Mahoning Co. (NB), 12/29 Maumee River (ET), 1/21 Columbus (10) (KA), wintered in Seneca Co. (TB), 2/28 Mentor-on-the-Lake (15) (VF). Common Grackle-High: 1/21 Columbus (50,000) (KA). Brown-headed Cowbird-1/21 Columbus (3000) (KA). Purple Finch-12/17 Lorain (ETH), 1/10 Hancock Co. (2) (m.ob.), 2/12 Spring Valley (CM, CC, JS), 2/26 Hocking Co. (KM), 2/27 Trumbull Co. (2) (DH), 2/28 Mentor-on-the-Lake (3) (VF). Red Crossbill-1/5 Cantwell Cliffs, Hocking Co. (2) (KA). Pine Siskin-1/14 Mill Creek Pk. (NB). Evening Grosbeak-12/1 Findley SP, Lorain Co. (2) (KA), 1/9 Hamilton Co. (NK), 1/27 Geauga Co. (4) (AF).

OBSERVERS

KIRK ALEXANDER (KA), MATT ANDERSON (MA), BILL ARNOLD (BA), CAROLE BABYAK (CB), LYNN BARNHART (LB), TOM BARTLETT (TB), SUE BAXTER (SB), JOE BENS (JB), BETTY BERRY (BB), CHARLIE BERRY (CBe), CHET BOWSER (CBo), DAVID BRINKMAN (DB), NANCY BRUNDAGE (NB), CHUCK BUECHELE (CBu), CLIFF CATHERS (CC), LAURIE CATHERS (LC), DWIGHT & ANN CHASAR (DAC), DOMINIC COSTANZO (DC), BILL CREASEY (BC), ROBERT CUTTER (RC), JIM DECKER (JD), DAVID DISTER (DD), PAUL ELLSWORTH (PE), VIC FAZIO (VF), ANDY FONDRE (AF), JOHN GALLAGHER (JG), LARRY GARA (LG), HARRIET GASPON (HG), PEGGY GATCH (PG), JOHN GILMORE (JGi), BETTY HARDESTY (BH), ROB HARLAN (RH), BOB HEIDELBURG (BHe), JOHN & VICKI HERMAN (JVH), JIM HICKMAN (JHi), JIM HILL (JH), RUTH HILL (RHi), DAVID HOCHADEL (DH), BETTY HULTGREN (BHu), GARY IMWALLE (GI), NED KELLER (NK), TOM KEMP (TK), CAROL KENNEDY (CK), EVERETT KITCHEN (EK), GARY KNIGHT (GK), MOLLY KNIGHT (MK), ALAN KNUE (AK), DOROTHY KOHL (DK), JOE KOMOROWSKI (JK), LEN KOPIA (LK), DAVE & KATHY LADOW (DKL), NEVADA LAITSCH (NL), TOM LEPAGE (TL), TONY LEUKERING (TLu), TIM LITTLE (TLi), BARBARA LUND (BL), KARL MASLOWSKI (KMa), CHARLOTTE MATHENA (CM), BEA MERCER (BM), MONTY MERCER (MM), KENT MILLER (KM), KATHY MOCK (KMo), DANE MUTTER (DM), KATHY NOBLET (KN), DAVE NOLAN (DN), DOUG OVERACKER (DO), MADALYN PETERS (MP), ED & CHERYL PIERCE (ECP), WORTH RANDLE (WR), JOHN REDMAN (JRe), JIM RETTIG (JR), JOHN RUTHVEN (JRu), GARY SAMMONS (GS), JOHN SHRADER (JS), SANDY SHRADER (SS), JIM SMALLWOOD (JSm), JAY STENGER (JSte), JOHN STOPHLET (JSto), ANN STORER (AS), DONALD STRASBERG (DS), BILL TAYLOR (BT), PETE THAYER (PT), ERDINE THOMPSON (ETH), ELLIOT TRAMER (ET), SUE UTTERBACK (SU), BARRY WAKEMAN (BW), PAUL WHARTON (PW), ART WISEMAN (AW).

An Unusual Visitor at Lorain's "Hot Waters"

Erdine Thomson

This winter a Ruddy turnstone (*Arenaria interpres*) had an adventure on surviving the cold and wind chill (twice minus 19) at Lorain's lakefront. The bird was first sighted on our Christmas bird count, December 17, 1988, at the "Hot Waters" and seen through at least March 20, 1989. It could be seen jauntily walking about picking into the sand on the sandbars for insects and feeding on morsels of Gizzard shad left by the many gulls. A few times it was seen at the East Pier area on a star-shaped boat dock. During January and the first week of February, 1989, a Dunlin (*Calidris alpina*) was also on the visitor list and accompanied the turnstone with its efforts to survive by picking in the sand for invertebrates at the "Hot Waters" area.

This area is a winter "hotspot" to watch birds and was made possible by the Ohio Division of Wildlife and the city of Lorain. U. S. Steel donated the pipe for the pier railings and some of the members of the Polish Fishermen's Club welded and erected the pipe. The Lorain Department of Parks and Recreation is in charge of the area. Most all of the surface-feeding and diving ducks can be seen here including Harlequin, Oldsquaw, scoters, and rarities such as Barrow's goldeneye in 1984 and 1989 and the Tufted duck in 1980 and 1989. The list goes on and on for gulls, too: Laughing, Franklin's Iceland, Thayer's, Little, and more, plus in 1980, the Heerman's gull. This is only a partial list of birds that can be seen.

To reach this area, take Rt. 6 to two blocks west of the City Hall, turn north at the Ohio Edison Plant onto Oberlin Avenue and down to the lakefront and the "Hot Waters". Enjoy!

From the Editors

A new (1988) book, Atlas of Wintering North American Birds, by T. L. Root, University of Chicago Press, states that the wintering grounds of the Ruddy turnstone includes all three United States coastlines. The Atlantic coast distribution extends from as far north as Bangor, Maine, to the southern tip of Florida. Temperature is said to have some effect in determining where this species occurs in high densities. All peaks except Cape May, New Jersey, are in areas where the average minimum January temperature rarely drops below 40 degrees Fahrenheit. It would be interesting to know such a temperature average for the Lorain "Hot Waters". At least this past winter, which seemed mild, about one-half of this area was constantly open water so apparently this portion was, at least, 32 degrees Fahrenheit.

The Atlas also says that this turnstone's diet is mostly made up of sand fleas, worms, insects, crustaceans, mollusks, human food scraps, and carrion. The latter two in the form of dead Gizzard shad and food garbage fed to the fish and ducks were certainly present at Lorain.

There are two previous Ohio Christmas count records for Ruddy turnstone, one from Elyria-Lorain in 1981 and one from Ashtabula in 1984. Early winter birds such as these may be assumed to be lingering fall migrants. This year's turnstone may very well be the first mid-winter record for Interior North America.

Report of the Records Committee, Winter 1989

The Ohio Cardinal Records Committee (OCRC) received 22 documentations during the winter season 1988-1989, plus one late submission for fall 1988. Of the 22 winter sightings the OCRC accepted 19. All are reported elsewhere in this issue, although a comment on one accepted sighting of Greater White-fronted Goose is included below. The fall 1988 submission was accepted; a comment is also included below. A challenge in this winter's noteworthy sightings is determining how many individual birds are really involved. For example, how many of the unusual number of Greater White-fronted Goose sightings from sw. Ohio refer to the same bird? Were the California Gulls reported at Huron Jan. 3 and 8 and at Cleveland on Jan. 14 the same bird? An unusual aspect of this winter's reports is the absence of terrestrial species. Were there NO noteworthy passerines in the state this winter outside of Christmas counts?

FALL 1988 sighting ACCEPTED with the following comment:

"5 to 7" Pomarine Jaegers at Lorain, Nov. 25; committee accepts 5 Pomarine Jaegers.

COMMENTS on four winter 1988-89 sightings:

Greater White-fronted Goose - Dayton, Jan. 9. In some ways this was a puzzling description. The "white-breast" with no mention of dark scalloping suggests a first fall bird, but the wide white band at the base of the bill suggests an adult, as young birds generally show little or no white at the bill base. The large size troubled some members of the committee, although the comment that the bird was "larger than nearby Canada Geese" does not rule out the White-front, since the Canada has a wide range of size variation and the White-front is a stockier-looking bird. It is also possible this bird was an escape. ACCEPTED by a 3-2 vote.

Merlin-Trumbull Co. Jan. 12. OCRC was not able to verify this sighting from the description given. Description did not rule out a Peregrine.

Great Black-backed Gull - Hancock Co., Jan. 31. OCRC was not able to verify. The size and plumage description did not clearly rule out a Herring Gull, and the bill size and shape were not mentioned.

Great Black-backed Gull - Bresler Reservoir, Jan. 15. OCRC was not able to verify. The description was confusing, mentioning "yellowish legs" (not typical of the species in question) and a large number of birds (18) for this far inland location. No mention of beak size or shape.

ANNOUNCEMENTS

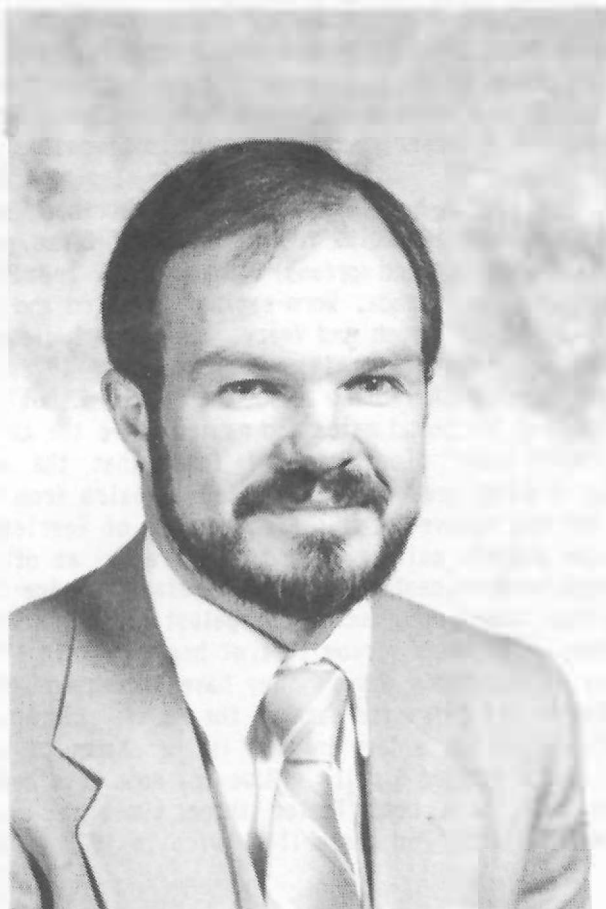
The Ohio Cardinal Records Committee has added a fifth member, Tom Bartlett. Tom teaches Life Science and Computer Literacy at Clyde, Ohio, Junior High School.

Tom lives in Tiffin, Ohio, with his wife, Paula, and six year old daughter, Laura. A college course in ornithology 19 years ago sparked his now avid interest in birding. A bird bander, Tom is a charter member of the Ohio Bird Banding Association and serves on its executive board. He gathers baseline data banding at Springville Marsh State Nature Preserve and kestrels in Seneca County. In 1988, he became a member of the Board of Directors of the Inland Bird Banding Association. He has served on the Board of Directors of the Ohio Chapter of The Nature Conservancy since 1979.

Tom is an affable and knowledgeable guide who has led birding groups for the Ottawa National Wildlife Refuge, The Nature Conservancy, and Heidelberg College, his alma mater, where he also served as the soccer coach for many years. In addition to numerous trips to the Lake with his junior high birding club, Tom yearly leads trips to Point Pelee, Whitefish Point, and Niagra Falls. His own characterization of these trips as House Sparrow Tours speaks to his well known sense of humor.

Tom has seen 318 species of birds in Ohio, which includes two of his most exciting birding finds: Kirtland's warbler in Tiffin (1975) and a Curlew sandpiper in Seneca County (1984). He has written 24+ articles of scientific and general interest. His first book will be published this spring, co-authored by Dr. Howard Hintz, Birds of Seneca County, Ohio.

Tom's considerable Ohio field experience, knowledge of Ohio birders, sense of humor, and seeming indifference to criticism make him a welcome tie-breaking (as the fifth committee member) addition to the Ohio Cardinal Records Committee. He began his one year term with the documentations submitted to the last issue (Fall 1988).



A Guide to Summer Birding in Hocking Hills State Parks

Worth Randle

For the ornithological devotee, Hocking Hills is a veritable Pandora's Box of birding rewards. Several northwoods species may surprise southern Ohio birders. So, if it gets so hot on your porch that you could roast a potato, or do an omelet or souffle, then pack up your binocs, field guides and snacks in your day pack and head for a recreational fantasy in a 50 to 55 degree Hocking Hills deep, springfed cooler. Down there, I promise you, you will think that you are in a New England setting smelling the sweet, fresh scent of moss, hemlock, yew and more than 20 species of ferns. All of the six park areas include deep gorges which engender northwoods habitat which, in turn, attracts birds or insects endemic to such natural conditions. For maximum results, allow enough time to explore all six areas. Take the marked trails which lead into the gorge itself and also those which follow the rim. (In Ash Cave Park and in Conkle's Hollow, rim trails encircle the two gorges.) While I have found Cedar Falls, Old Man's Cave and Conkle's Hollow the most rewarding areas during my 28 years of surveying (second week in June) the breeding species of Hocking Hills Parks, I have made interesting discoveries in the three other parks as well.

Birders in Hocking Hills will find their experience much more enjoyable if they do some homework before travelling there. Train your ears to recognize the songs of such northern species as Hermit thrush, Veery, Winter wren, Brown creeper, Least flycatcher, Ruby-crowned kinglet, Solitary vireo, Purple finch and the following warblers: Canada, Magnolia, Blackburnian, Chestnut-sided, Black-throated blue, Black-throated green and Mourning. Of course, you will encounter many other species found widely in Ohio: Pileated woodpeckers, Hooded warblers, Kentucky warblers, Ovenbirds, Louisiana waterthrush, redstarts and Black-and-white, Worm-eating, Parula, Pine, Cerulean and Golden-winged warblers. You might try the bio-feedback method of learning bird songs by retaping just those species mentioned above and playing them back to your ears overnight, several times, just before your trip. (It is presumed that you will know all of the songs of the common birds of Ohio because you'll be hearing those, too, along with most of those mentioned above, I hope!) All of the northern species I have recorded at Hocking I have heard and recognized long before I saw them. Of course, I've had the benefit of years of study of Canadian and Alpine Zone habitat in the USA from coast to coast, including a 2 year in-residence study of the Cranberry Glades area of the Back Alleghenies under Dr. Brooks in the 1940's.

In checking the cool, coniferous habitat for the more northern species be alert to movement, both above you in the hemlocks and below you in clumps of ferns, lycopods and mosses. For instance, species such as Black-throated green, Blackburnian, and Pine nest up in the hemlocks or pines while Black-and-white, Canada, Worm-eating, Ovenbird and Kentucky nest on or just above the forest floor as do Hermit thrush and Veery. In 1966, I discovered Hermit thrush nesting on a terrace below the west rim of Conkle's Hollow and in 1976, the population had increased to 3 males on territory across the Hollow along the east rim, but after observing them for four days, I learned that only 2 had found mates and nested while the third had wandered and finally disappeared by the fourth day. Last year, I found that the species has finally established itself in Cedar Falls gorge area where I counted 13 pairs from the Falls to just a bit beyond the junction with Old Man's Cave gorge. Also, a pair of Veeries and Canada warbler nested in that same area in bays off the main gorge and on terraces, as often seen in previous years. (Two years ago, I found hermits nesting in a particularly choice location in a tight clump of polypody fern atop a huge jagged rock tucked up against a sheer blackhand face, 25 feet below the north rim of the gorge.) Solitary vireos I first heard back in 1961 and found a pair nesting in the concession area of Old Man's Cave. They have increased very gradually and in recent years I have recorded two to six pairs for each of the Parks. Blackburnian warblers also started their history at Hocking's Old Man's Cave in 1962 in the shadow of the campground water tower and in 1964, Jay Shepard and I located 6 pairs. However, none have been found after 1975. Winter wrens, found first in 1974, have been listed three times in three places. Least flycatchers and Brown creepers only once, Red crossbills twice in 1973 (8 in one flock; 20 in

another) and in 1976 Magnolia and Canada warblers often, but not every year and not more than 3 pairs for any one area. Once, I watched an adult male Purple finch singing atop a tall pine at Old Man's Cave parking lot, but could not find it again two days later when I rechecked the spot. Most memorable was the only Ohio record I can find of a mid-June occurrence of a Ruby-crowned kinglet male demarking its territory from prescribed song perches, two days apart, and observed for an hour each time. Unfortunately, I couldn't return to the area along the west rim until a month later when I could find no trace of the species.

A favorite bird trail of mine is the gated fire road (now part of Buckeye Trail) which skirts the south rim of Cedar Falls gorge. It presents a transition zone: hemlocks and some yew on the gorge side of the road with Virginia pine interspersed with second or third growth deciduous on the other side. There, in the early morning or late evening, I have listened to a song chorus of three thrushes: Hermit, Veery and Wood; and, there, I can also hear Pine (regularly), Magnolia (several times), Chestnut-sided, Black-throated blue and Mourning warblers (only once for each).

For many years, I have been fascinated by disjoined island communities, microcosms created by anomalous microclimatic conditions, often far removed from their normal geographic locations. Such a situation occurs in the Cranberry Glades of West Virginia where 60 acres of arctic tundra lie in a 300 acre valley high in an Appalachian Mountain range some 1500 miles south of its usual zonal location. So it is with the cool-water, cool-air climate of deep Hocking Hills gorges which create a northwoodland plant and animal community that challenges a biologist to study and record unexpected occurrences found there. In addition to several first Ohio bird records south of the Lake Erie counties, and two firsts for all of Ohio, I believe there have been two rare flower records and an insect record which particularly excited me: Compton's Tortoise Shell (*Nymphalis vau-album*), a northern species with which I was familiar in the northeast, but which was the first I had seen in Ohio.

In closing, I'd like to add some last curious notes which present a reverse of the predominantly northern aspect of Hocking discussed above. The Worm-eating warbler has shown a pronounced increase in recent years. In the early years of my survey this species was uncommon totalling only 3 or 4 pairs. The past two counts have totalled 30 pairs. In 1975, I found 2 pairs of Henslow's sparrow and in 1981, 6 singing males which, according to the Biological Survey, are the first Hocking County records. On June 15, 1988, I located a singing male (on territory) Grasshopper sparrow for the first time in the survey. Prairie warblers have also been found regularly, but only in one location.

If you are willing to venture a guess on where three such open-land species could be found in these wooded hills, write your specific location and habitats to the Editor. I've given him the answers.

1988-89 CHRISTMAS BIRD COUNTS

Tom Kemp and Pete Montlon

Fifty-one counts were received from Ohio for the 1988-89 Christmas Bird Count season. Approximately 60 counts are conducted throughout the state.

The highest species total was 83, found on the the Cuyahoga Falls count. Close behind was Elyria-Lorain with 82 species. Four other counts tallied more than 70 species: Gypsum 78, Ohio River 74, Cleveland 73, and Cincinnati 72. Last year's high count was Gypsum's 92. The all-time high Ohio record is 97 species found on the 1956 Buckeye Lake count.

One hundred forty-seven species were recorded on (received) Ohio Christmas Bird counts this year, exactly the number found in 1987-88. Unquestionably the rarest bird reported on an Ohio CBC this year was the Golden-crowned sparrow on the Wooster count. Unfortunately, at press time, no details were available on this sighting. If legitimate, this would be a first state record for this species. In the following summary, abbreviations used are CBC (Christmas Bird count) and CW (count week).

A Red-necked grebe lingered during count week at East Fork Lake. A Great egret was at Gypsum and a Green-backed heron was found on the Paint Creek count. Greater White-fronted geese were reported at Toledo and Grand Lake St. Mary's (CW). The 150 Ring-necked ducks at Youngstown is the highest total ever recorded on an Ohio CBC.

The 18 Bald eagles at Gypsum were phenomenal and also the highest ever recorded on an Ohio count. Northern goshawks were found on five counts, indicating a modest movement of these raptors. A Broad-winged hawk at Paint Creek was outstanding as these birds are supposed to be in Central and South America at this season. The only Merlin report came from Mentor and Peregrines were reported from Toledo and Zanesville.

Rails were represented by a Virginia and a Sora, both at Gypsum. The shorebird of the counts was the Ruddy turnstone at Elyria-Lorain which subsequently spent much of the winter there. There are only two previous Ohio CBC records for this species. The Red phalarope at Cleveland during count week was also an excellent find. Holdovers from the fall flight were three Pomarine Jaegers each at Cleveland and Mentor, apparently only the second and third Ohio CBC records.

Gulls numbered eleven species, including a Laughing at Gypsum that is apparently the first ever on an Ohio CBC. A Common Black-headed gull was a rare find at Elyria-Lorain. Little gulls were found at Mentor and Ashtabula. "White-winged" gulls were well represented along the Lake Erie shore. A single Glaucous gull at Ohio River was a tremendous bird for that location. Eight Lesser Black-backs and 4 Thayer's at Elyria-Lorain and 4 Lesser Black-backs at Cleveland were excellent totals. Grand Rapids-Waterville, roughly 20 miles as the gull flies up the Maumee River from Lake Erie, hosted Iceland on count day and Glaucous, Thayer's, Lesser Black-backed, and Great Black-backed during count week, unprecedented for an "inland" location.

The 31 Great Horned owls on the ONWR count was the highest total ever on an Ohio CBC. Northern Saw-whet owls were found on two counts as were Long-eared owls.

Noteworthy passerines were few and far between. The crow roost at Mansfield numbered 8400 this year. Two house wrens were reported, one at Gypsum and the other at Youngstown. A Swainson's thrush was recorded at New Lexington. Outstanding was the Varied thrush at Lakewood, one of only three ever reported on an Ohio CBC. Northern shrikes were found on three counts and a Gray catbird was late at Cleveland. A Common yellowthroat lingered at Gypsum. The only Water pipit was found on the East Fork Lake count.

The only unusual sparrows (other than the aforementioned Golden-crowned) were a Vesper at Athens and Chipping sparrows on six counts, including 6 at Oxford and 5 at Washington County. Two Brewer's blackbirds each were noted on the Cincinnati and Ohio River counts. More were probably present but the observers were very careful and conservative about their identifications. See their count summaries. Considering the paucity of winter finches in Ohio this season, the Pine grosbeak at Ashtabula was a real rarity. Very small numbers of redpolls, siskins, and Evening grosbeaks were reported.

Readers are encouraged to send any incorrect totals they may find to the editors. Comments on rare or unusual species for these counts may be found in the American Birds Christmas count issue which will probably reach subscribers sometime in November.



First winter Little gull, Cleveland, Ohio, February 1989. Photograph by Tom LePage.

GOLL WOODS (1)

**DEC 27 - Canada Goose 1; Am. Black Duck 4; Mallard 155; N. Harrier 2; Sharp-shinned Hawk 1; Cooper's Hawk 1; Red-tailed Hawk 4; Rough-legged Hawk 1; Am. Kestrel 26; Rock Dove 102; Mourning Dove 447; Great Horned Owl 2; Barred Owl 2; Red-bellied Woodpecker 9; Downy Woodpecker 22; Hairy Woodpecker 2; N. Flicker 1; Horned Lark 94; Blue Jay 54; Am. Crow 19; Black-capped Chickadee 26; Tufted Titmouse 31; White-breasted Nuthatch 43; Brown Creeper 4; European Starling 370; N. Cardinal 56; Am. Tree Sparrow 5; Song Sparrow 3; Dark-eyed Junco 82; Dark-eyed (Ore.) Junco 1; Lapland Longspur 1; Snow Bunting 456; Am. Goldfinch 2; House Sparrow 1221.

**TOTAL: 34 species, 3250 individuals.

GRAND RAPIDS-WATERVILLE (2)

**DEC 31 - Great Blue Heron 5; Canada Goose 496; Green-winged Teal CW; Am. Black Duck 51; Mallard 1943; Common Goldeneye 1; Common Merganser 7; Bald Eagle 1; Cooper's Hawk 7; Red-shouldered Hawk 3; Red-tailed Hawk 24; Am. Kestrel 17; Ring-necked Pheasant 1; N. Bobwhite 16; Ring-billed Gull 402; Herring Gull 1745; Thayer's Gull CW; Iceland Gull 1; Lesser Black-backed Gull CW; Glaucous Gull CW; Great Black-backed Gull CW; Rock Dove 994; Mourning Dove 1045; E. Screech-Owl 16; Great Horned Owl 4; Barred Owl 1; Belted Kingfisher 1; Red-headed Woodpecker 3; Red-bellied Woodpecker 19; Downy Woodpecker 104; Hairy Woodpecker 30; N. Flicker 9; Horned Lark 20; Blue Jay 305; Am. Crow 2086; Black-capped Chickadee 214; Tufted Titmouse 99; Red-breasted Nuthatch 1; White-breasted Nuthatch 117; Brown Creeper 58; Carolina Wren 3; Golden-crowned Kinglet 41; E. Bluebird 1; Hermit Thrush 1; Am. Robin 4; Cedar Waxwing 20; European Starling 2475; Yellow-rumped Warbler 3; N. Cardinal 174; Am. Tree Sparrow 464; Field Sparrow 11; Song Sparrow 149; White-throated Sparrow 1; White-crowned Sparrow 4; Dark-eyed Junco 546; Snow Bunting CW; Rusty Blackbird CW; Purple Finch 2; House Finch 318; Pine Siskin 136; House Sparrow 502.

**TOTAL: 54 species, 14,702 individuals.

TOLEDO (3)

**DEC 18 - Great Blue Heron 2; Black-crowned Night-Heron 25; Greater White-fronted Goose 1; Canada Goose 489; Am. Black Duck 1371; Mallard 12640; Canvasback 1000; Redhead 4; Lesser Scaup 3; Common Goldeneye 752; Bufflehead 4; Red-breasted Merganser 66; Common Merganser 533; N. Harrier 6; Sharp-shinned Hawk CW; Cooper's Hawk 2; Red-tailed Hawk 22; Rough-legged Hawk 4; Am. Kestrel 18; Peregrine Falcon 2; Ring-necked Pheasant 40; Am. Coot 2; Bonaparte's Gull 602; Ring-billed Gull 8956; Herring Gull 1580; Great Black-backed Gull 5; Rock Dove 761; Mourning Dove 264; E. Screech-Owl 2; Great Horned Owl 9; Short-eared Owl 12; Belted Kingfisher 2; Red-headed Woodpecker 1; Red-bellied Woodpecker 5; Yellow-bellied Sapsucker 4; Downy Woodpecker 113; Hairy Woodpecker 10; N. Flicker 3; Blue Jay 63; Am. Crow 29; Black-capped Chickadee 65; Tufted Titmouse 53; Red-breasted Nuthatch 4; White-breasted Nuthatch 44; Brown Creeper 44; Carolina Wren 9; Winter Wren 1; Golden-crowned Kinglet 4; Hermit Thrush 1; Cedar Waxwing 1; European Starling 3328; N. Cardinal 205; Am. Tree Sparrow 363; Song Sparrow 68; Swamp Sparrow 2; White-throated Sparrow 17; Dark-eyed Junco 214; Snow Bunting 1; Red-winged Blackbird 37; Brown-headed Cowbird 1; House Finch 202; Am. Goldfinch 110; House Sparrow 1451.

**TOTAL: 62 species, 35,632 individuals.

OTTAWA NATIONAL WILDLIFE REFUGE (4)

**JAN 1 - Great Blue Heron 97; Tundra Swan CW; Snow Goose (blue morph) 36; Snow Goose (white morph) 44; Canada Goose 7947; Am. Black Duck 73; Mallard 221; N. Pintail CW; Canvasback 2255; Lesser Scaup 1; Common Goldeneye 244; Red-breasted Merganser 18; Common Merganser 69; Bald Eagle 3; N. Harrier 8; Cooper's Hawk 4; N. Goshawk 1; Red-tailed Hawk 53; Rough-legged Hawk 3; Am. Kestrel 51; Ring-necked Pheasant 1; Bonaparte's Gull 105; Ring-billed Gull 886; Herring Gull

1643; Lesser Black-backed Gull 1; Glaucous Gull 1; Great Black-backed Gull 23; Rock Dove 113; Mourning Dove 611; E. Screech-Owl 18; Great Horned Owl 31; Short-eared Owl 3; Belted Kingfisher CW; Red-headed Woodpecker 1; Red-bellied Woodpecker 4; Downy Woodpecker 59; Hairy Woodpecker 6; N. Flicker 1; Horned Lark 123; Blue Jay 76; Am. Crow 3; Black-capped Chickadee 2; Tufted Titmouse 7; White-breasted Nuthatch 16; Brown Creeper 24; Carolina Wren 13; Winter Wren 3; Golden-crowned Kinglet 10; N. Shrike 2; European Starling 1215; N. Cardinal 136; Am. Tree Sparrow 993; Fox Sparrow 1; Song Sparrow 80; Swamp Sparrow 142; White-crowned Sparrow 29; Dark-eyed Junco 27; Red-winged Blackbird 101; E. Meadowlark 1; Common Grackle 2; Brown-headed Cowbird 1; House Finch 95; Am. Goldfinch 124; House Sparrow 852.

****TOTAL: 60 species, 18,716 individuals.**

GYPSUM (5)

****DEC 26 - Great Blue Heron 66; Great Egret 1; Black-crowned Night-Heron 3; Mute Swan 2; Canada Goose 690; Am. Black Duck 8289; Mallard 20724; N. Pintail 3; N. Shoveler 21; Gadwall 6; Am. Wigeon 120; Canvasback 14; Ring-necked Duck 9; Lesser Scaup 20; Oldsquaw 1; Common Goldeneye 6841; Bufflehead 35; Hooded Merganser 7; Red-breasted Merganser 10; Common Merganser 44; Ruddy Duck 2; Bald Eagle 18; N. Harrier 4; Sharp-shinned Hawk 1; Red-tailed Hawk 19; Rough-legged Hawk 1; Am. Kestrel 32; Ring-necked Pheasant 1; Virginia Rail 1; Sora 1; Am. Coot 1; Laughing Gull 1; Bonaparte's Gull 1490; Ring-billed Gull 32388; Herring Gull 18895; Glaucous Gull 1; Great Black-backed Gull 388; Rock Dove 344; Mourning Dove 267; E. Screech-Owl 12; Great Horned Owl 9; Belted Kingfisher 2; Red-bellied Woodpecker 3; Downy Woodpecker 64; Hairy Woodpecker 1; N. Flicker 11; Horned Lark 9; Blue Jay 42; Am. Crow 10; Black-capped Chickadee 24; Tufted Titmouse 14; Red-breasted Nuthatch 1; White-breasted Nuthatch 17; Brown Creeper 47; Carolina Wren 4; House Wren 1; Winter Wren 2; Marsh Wren 3; Golden-crowned Kinglet 29; Hermit Thrush 3; Cedar Waxwing 1; European Starling 844; Yellow-rumped Warbler 5; Common Yellowthroat 1; N. Cardinal 96; Am. Tree Sparrow 985; Field Sparrow 1; Song Sparrow 83; Swamp Sparrow 53; White-throated Sparrow 1; White-crowned Sparrow 12; Dark-eyed Junco 104; Red-winged Blackbird 3; Common Grackle 4; Brown-headed Cowbird 5; House Finch 68; Am. Goldfinch 46; House Sparrow 1447.**

****TOTAL: 78 species, 99,234 individuals.**

LAKE ERIE ISLANDS (6)

****DEC 21 - Horned Grebe 1; Tundra Swan 5; Snow Goose (blue morph) 1; Canada Goose 35; Am. Black Duck 31; Mallard 219; Gadwall 1; Black Scoter 2; Common Goldeneye 379; Bufflehead 17; Hooded Merganser 6; Red-breasted Merganser 1525; Common Merganser 27; Ruddy Duck 1; Bald Eagle 1; Red-tailed Hawk 1; Am. Kestrel 1; Ring-necked Pheasant 2; Bonaparte's Gull 205; Ring-billed Gull 890; Herring Gull 1170; Great Black-backed Gull 72; Mourning Dove 6; E. Screech-Owl CW; Belted Kingfisher 1; Downy Woodpecker 23; N. Flicker 48; Horned Lark 100; Blue Jay 10; Am. Crow 19; Black-capped Chickadee 197; White-breasted Nuthatch 1; Brown Creeper 30; Carolina Wren 7; Golden-crowned Kinglet 65; Ruby-crowned Kinglet 2; Hermit Thrush 2; Am. Robin 41; Cedar Waxwing 5; European Starling 161; Yellow-rumped Warbler 11; N. Cardinal 56; Am. Tree Sparrow 4; Song Sparrow 5; Swamp Sparrow 2; White-throated Sparrow 7; White-crowned Sparrow 1; Dark-eyed Junco 41; Lapland Longspur 1; Red-winged Blackbird 1; Common Grackle 2; Am. Goldfinch 33; House Sparrow 107.**

****TOTAL: 53 species, 5581 individuals.**

FIRELANDS (7)

****DEC 17 - Great Blue Heron 7; Tundra Swan 1; Canada Goose 786; Am. Black Duck 257; Mallard 2185; Lesser Scaup 6; Common Goldeneye 1018; Bufflehead 4; Hooded Merganser 3; Red-breasted Merganser 3; Ruddy Duck 1; Bald Eagle 2; N. Harrier 2; Sharp-shinned Hawk 2; Cooper's Hawk 1; Red-tailed Hawk 15; Rough-legged Hawk CW; Am. Kestrel 24; Ring-necked Pheasant 8; Bonaparte's Gull 12; Ring-billed Gull 11798; Herring Gull 4245; Great Black-backed Gull 193; Rock Dove 442;**

Mourning Dove 744; E. Screech-Owl 10; Great Horned Owl 7; Belted Kingfisher 1; Red-headed Woodpecker 4; Red-bellied Woodpecker 15; Downy Woodpecker 65; Hairy Woodpecker 5; N. Flicker 12; Horned Lark 119; Blue Jay 120; Am. Crow 25; Black-capped Chickadee 99; Tufted Titmouse 51; Red-breasted Nuthatch 1; White-breasted Nuthatch 52; Brown Creeper 10; Carolina Wren 3; Winter Wren 1; Golden-crowned Kinglet 3; E. Bluebird 38; Am. Robin 17; Cedar Waxwing CW; European Starling 2449; Yellow-rumped Warbler 1; N. Cardinal 220; Am. Tree Sparrow 299; Chipping Sparrow 1; Field Sparrow 5; Song Sparrow 87; Swamp Sparrow 6; White-throated Sparrow 1; White-crowned Sparrow 13; Dark-eyed Junco 314; Common Grackle 1; House Finch 198; Am. Goldfinch 119; House Sparrow 458.

****TOTAL: 60 species, 26,589 individuals.**

ELYRIA-LORAIN (8)

****DEC 17 -** Common Loon 1; Horned Grebe 1; Double-crested Cormorant 15; Black-crowned Night-Heron 2; Tundra Swan CW; Canada Goose 438; Green-winged Teal 1; Am. Black Duck 116; Mallard 729; N. Pintail 1; N. Shoveler 1; Gadwall 7; Am. Wigeon 5; Canvasback 23; Redhead 36; Ring-necked Duck 1; Greater Scaup 42; Lesser Scaup 100; scaup, sp. 150; Oldsquaw 1; Surf Scoter 1; Black Scoter 2; Common Goldeneye 88; Bufflehead 44; Hooded Merganser 9; Red-breasted Merganser 25; Common Merganser 12; Ruddy Duck 5; N. Harrier 1; Sharp-shinned Hawk 2; Cooper's Hawk 9; Red-tailed Hawk 27; Am. Kestrel 27; Am. Coot 1; Ruddy Turnstone 1; Com. Black-headed Gull 1; Bonaparte's Gull 1000; Ring-billed Gull 93780; Herring Gull 25228; Thayer's Gull 4; Iceland Gull 3; Lesser Black-backed Gull 8; Glaucous Gull 3; Great Black-backed Gull 153; Rock Dove 544; Mourning Dove 483; E. Screech-Owl 2; Great Horned Owl 2; Barred Owl 1; Belted Kingfisher 4; Red-headed Woodpecker 2; Red-bellied Woodpecker 34; Downy Woodpecker 103; Hairy Woodpecker 9; N. Flicker 3; Horned Lark 2; Blue Jay 391; Am. Crow 46; Black-capped Chickadee 285; Tufted Titmouse 105; Red-breasted Nuthatch 4; White-breasted Nuthatch 77; Brown Creeper 2; Carolina Wren 6; E. Bluebird 20; Am. Robin 6; Cedar Waxwing 3; European Starling 1117; N. Cardinal 400; Rufous-sided Towhee 1; Am. Tree Sparrow 81; Field Sparrow 3; Song Sparrow 42; Swamp Sparrow 2; White-throated Sparrow 11; White-crowned Sparrow 9; Dark-eyed Junco 472; Red-winged Blackbird 3; Common Grackle 1; Brown-headed Cowbird 5; Purple Finch 3; House Finch 805; Am. Goldfinch 223; House Sparrow 1049.

****TOTAL: 82 species, 128,465 individuals.**

LAKEWOOD (9)

****DEC 18 -** Great Blue Heron 12; Canada Goose 675; Green-winged Teal 1; Am. Black Duck 74; Mallard 1552; Canvasback 1; Redhead 2; Greater Scaup 314; Lesser Scaup 1081; Oldsquaw 2; White-winged Scoter 3; Black Scoter 3; Common Goldeneye 115; Bufflehead 27; Hooded Merganser 2; Red-breasted Merganser 8; Common Merganser 11; Ruddy Duck 5; Sharp-shinned Hawk 1; Cooper's Hawk 3; Red-tailed Hawk 9; Am. Kestrel 1; Am. Coot 1; Bonaparte's Gull 6100; Ring-billed Gull 25218; Herring Gull 2662; Great Black-backed Gull 16; Rock Dove 125; Mourning Dove 141; E. Screech-Owl 1; Belted Kingfisher 8; Red-bellied Woodpecker 16; Yellow-bellied Sapsucker 1; Downy Woodpecker 54; Hairy Woodpecker 7; N. Flicker 2; Pileated Woodpecker 1; Blue Jay 83; Am. Crow 98; Black-capped Chickadee 129; Tufted Titmouse 42; Red-breasted Nuthatch 1; White-breasted Nuthatch 28; Carolina Wren 7; Golden-crowned Kinglet 1; Am. Robin 145; Varied Thrush 1; Cedar Waxwing 73; European Starling 308; N. Cardinal 70; Am. Tree Sparrow 36; Fox Sparrow 1; Song Sparrow 13; Dark-eyed Junco 91; House Finch 316; Am. Goldfinch 56; House Sparrow 137.

****TOTAL: 57 species, 39,890 individuals.**

CLEVELAND (10)

****DEC 17 -** Common Loon CW; Horned Grebe 2; Double-crested Cormorant CW; Great Blue Heron 10; Canada Goose 1581; Wood Duck 1; Am. Black Duck 142; Mallard 509; N. Pintail 2; Gadwall 3; Am. Wigeon CW; Canvasback 2; Redhead 5; Ring-necked Duck 1; Lesser Scaup 10; Oldsquaw 2; Common

Goldeneye 15; Bufflehead 12; Hooded Merganser 1; Red-breasted Merganser 57; Common Merganser 7; Sharp-shinned Hawk 2; Cooper's Hawk 5; Red-shouldered Hawk 3; Red-tailed Hawk 15; Rough-legged Hawk 2; Am. Kestrel 2; Am. Coot 1; Killdeer 1; Red Phalarope CW; Pomarine Jaeger 3; Bonaparte's Gull 14600; Ring-billed Gull 20963; Herring Gull 4017; Thayer's Gull 1; Iceland Gull CW; Lesser Black-backed Gull 4; Glaucous Gull 2; Great Black-backed Gull 32; Rock Dove 340; Mourning Dove 193; E. Screech-Owl 1; Great Horned Owl 1; Belted Kingfisher 13; Red-headed Woodpecker 1; Red-bellied Woodpecker 39; Downy Woodpecker 114; Hairy Woodpecker 19; N. Flicker 16; Pileated Woodpecker 3; Blue Jay 285; Am. Crow 469; Black-capped Chickadee 350; Tufted Titmouse 138; White-breasted Nuthatch 90; Brown Creeper 2; Carolina Wren 10; E. Bluebird 17; Am. Robin 91; Gray Catbird 1; Cedar Waxwing 47; European Starling 1144; Yellow-rumped Warbler 1; N. Cardinal 246; Am. Tree Sparrow 28; Field Sparrow 2; Song Sparrow 43; White-throated Sparrow 11; Dark-eyed Junco 233; Lapland Longspur 12; Red-winged Blackbird 16; Rusty Blackbird 2; Common Grackle 460; Brown-headed Cowbird 304; Purple Finch 10; House Finch 187; Am. Goldfinch 187; House Sparrow 904.

****TOTAL: 73 Species, 47,046 Individuals**

MENTOR (11)

****DEC 31 -** Pied-billed Grebe 2; Great Blue Heron 13; Tundra Swan 1; Canada Goose 1526; Am. Black Duck 67; Mallard 114; Gadwall 60; Canvasback 10; Greater Scaup 2; Lesser Scaup 3; White-winged Scoter 2; Common Goldeneye 10; Bufflehead 15; Hooded Merganser 4; Red-breasted Merganser 9; Common Merganser 15; Sharp-shinned Hawk 2; Cooper's Hawk 4; Red-shouldered Hawk 2; Red-tailed Hawk 24; Am. Kestrel 11; Merlin 1; Ruffed Grouse 3; Killdeer 3; Pomarine Jaeger 3; Little Gull 1; Bonaparte's Gull 18,050; Ring-billed Gull 36,200; Herring Gull 2600; Great Black-backed Gull 98; Rock Dove 180; Mourning Dove 398; E. Screech-Owl 3; Great Horned Owl 1; Belted Kingfisher 1; Red-headed Woodpecker 2; Red-bellied Woodpecker 36; Yellow-bellied Sapsucker 1; Downy Woodpecker 115; Hairy Woodpecker 37; N. Flicker 6; Pileated Woodpecker 5; Blue Jay 215; Am. Crow 242; Black-capped Chickadee 479; Tufted Titmouse 71; Red-breasted Nuthatch 9; White-breasted Nuthatch 128; Brown Creeper 4; Carolina Wren 10; Winter Wren 1; Golden-crowned Kinglet 1; E. Bluebird 9; Am. Robin 408; Cedar Waxwing 46; European Starling 6263; N. Cardinal 321; Am. Tree Sparrow 134; Song Sparrow 24; Swamp Sparrow 11; White-throated Sparrow 27; White-crowned Sparrow 1; Dark-eyed Junco 154; Red-winged Blackbird 2053; Common Grackle 5269; Brown-headed Cowbird 9103; House Finch 198; Am. Goldfinch 101; House Sparrow 327.

****TOTAL: 69 species, 85,297 individuals.**

ASHTABULA (12)

****DEC 31 -** Horned Grebe 1; Canada Goose 270; Am. Black Duck 17; Mallard 324; N. Pintail 2; Gadwall 1; Canvasback 234; Redhead 3; Lesser Scaup 32; Common Goldeneye 53; Bufflehead 24; Hooded Merganser 13; Red-breasted Merganser 7; Common Merganser 1; Ruddy Duck 1; duck, sp. 40; Bald Eagle 1; N. Harrier 3; Sharp-shinned Hawk 7; Cooper's Hawk 6; N. Goshawk 1; Red-shouldered Hawk 1; Red-tailed Hawk 20; Rough-legged Hawk 2; Am. Kestrel 19; Ruffed Grouse 2; Am. Coot 1; Little Gull 1; Bonaparte's Gull 2375; Ring-billed Gull 20,280; Herring Gull 3570; Great Black-backed Gull 42; Rock Dove 467; Mourning Dove 575; E. Screech-Owl 2; Great Horned Owl 2; Belted Kingfisher 3; Red-bellied Woodpecker 15; Yellow-bellied Sapsucker 1; Downy Woodpecker 80; Hairy Woodpecker 12; N. Flicker 2; Pileated Woodpecker CW; Horned Lark 158; Blue Jay 207; Am. Crow 191; Black-capped Chickadee 337; Tufted Titmouse 55; Red-breasted Nuthatch 4; White-breasted Nuthatch 77; Brown Creeper 2; Carolina Wren 1; Am. Robin 4; Cedar Waxwing 14; N. Shrike 2; European Starling 1216; N. Cardinal 350; Am. Tree Sparrow 328; Field Sparrow 12; Song Sparrow 15; White-throated Sparrow 7; Dark-eyed Junco 247; Dark-Eyed (Ore.) Junco CW; Snow Bunting 80; Pine Grosbeak 1; House Finch 722; Am. Goldfinch 83; House Sparrow 876.

****TOTAL: 65 species, 32,471 individuals.**

TRUMBULL COUNTY (13)

**DEC 18 - Great Blue Heron 2; Tundra Swan 4; Snow Goose (white morph) 3; Canada Goose 8065; Am. Black Duck 81; Mallard 2921; Bald Eagle 2; N. Harrier 10; Sharp-shinned Hawk 1; Cooper's Hawk 2; Red-shouldered Hawk 1; Red-tailed Hawk 21; Am. Kestrel 18; Ring-billed Gull CW; Herring Gull 1; Rock Dove 130; Mourning Dove 488; E. Screech-Owl 1; Great Horned Owl 3; Belted Kingfisher 1; Red-headed Woodpecker 6; Red-bellied Woodpecker 22; Downy Woodpecker 56; Hairy Woodpecker 2; N. Flicker 5; Pileated Woodpecker 1; Horned Lark 73; Blue Jay 272; Am. Crow 45; Black-capped Chickadee 251; Tufted Titmouse 36; Red-breasted Nuthatch 2; White-breasted Nuthatch 45; Brown Creeper 2; Golden-crowned Kinglet 4; E. Bluebird 19; Am. Robin 3; N. Mockingbird 1; Cedar Waxwing 2; European Starling 803; N. Cardinal 237; Am. Tree Sparrow 530; Song Sparrow 21; Swamp Sparrow 1; White-throated Sparrow 3; White-crowned Sparrow 1; Dark-eyed Junco 423; Purple Finch 4; House Finch 80; Am. Goldfinch 164; House Sparrow 339.

**TOTAL: 50 species, 15,208 individuals.

BURTON (14)

**JAN 1 - Mute Swan 1; Canada Goose 1164; Green-winged Teal 1; Am. Black Duck 4; Mallard 186; Sharp-shinned Hawk 2; Cooper's Hawk 4; Red-shouldered Hawk 7; Red-tailed Hawk 29; Rough-legged Hawk 2; Am. Kestrel 16; Wild Turkey 8; Ring-billed Gull 2; Herring Gull 1; Rock Dove 252; Mourning Dove 545; E. Screech-Owl 2; Great Horned Owl 2; Barred Owl 2; Belted Kingfisher 6; Red-bellied Woodpecker 44; Downy Woodpecker 84; Hairy Woodpecker 32; N. Flicker 13; Pileated Woodpecker 11; Horned Lark 3; Blue Jay 245; Am. Crow 213; Black-capped Chickadee 363; Tufted Titmouse 140; White-breasted Nuthatch 104; Brown Creeper 2; E. Bluebird 10; Am. Robin 27; European Starling 539; N. Cardinal 233; Rufous-sided Towhee 1; Am. Tree Sparrow 106; Song Sparrow 39; Swamp Sparrow 5; White-throated Sparrow 4; Dark-eyed Junco 112; Red-winged Blackbird 1; Common Grackle 109; Purple Finch 2; House Finch 234; Am. Goldfinch 112; House Sparrow 122.

**TOTAL: 48 species; 5603 individuals.

CUYAHOGA FALLS (15)

**DEC 18 - Pied-billed Grebe 12; Horned Grebe 1; Great Blue Heron 25; Mute Swan 4; Snow Goose (blue morph) 2; Canada Goose 3578; Wood Duck 9; Am. Black Duck 72; Mallard 2705; Gadwall 12; Redhead 1; Ring-necked Duck 26; Greater Scaup 1; Lesser Scaup 3; Common Goldeneye 32; Bufflehead 1; Hooded Merganser 10; Red-breasted Merganser 3; Common Merganser 2; Ruddy Duck 29; Sharp-shinned Hawk 14; Cooper's Hawk 21; Red-shouldered Hawk 4; Red-tailed Hawk 74; Rough-legged Hawk 1; Am. Kestrel 18; Ring-necked Pheasant 7; Ruffed Grouse 1; Am. Coot 98; Killdeer 4; Ring-billed Gull 232; Herring Gull 10; Rock Dove 2349; Mourning Dove 1718; E. Screech-Owl 14; Great Horned Owl 13; Barred Owl 3; N. Saw-whet Owl CW; Belted Kingfisher 27; Red-headed Woodpecker 1; Red-bellied Woodpecker 120; Yellow-bellied Sapsucker 7; Downy Woodpecker 399; Hairy Woodpecker 74; N. Flicker 52; Pileated Woodpecker 9; Horned Lark 135; Blue Jay 936; Am. Crow 709; Black-capped Chickadee 1344; Tufted Titmouse 521; Red-breasted Nuthatch 13; White-breasted Nuthatch 364; Brown Creeper 17; Carolina Wren 39; Golden-crowned Kinglet 11; E. Bluebird 31; Am. Robin 121; Cedar Waxwing 192; N. Shrike 1; European Starling 4547; Yellow-rumped Warbler 9; N. Cardinal 1579; Rufous-sided Towhee 1; Am. Tree Sparrow 762; Field Sparrow 62; Fox Sparrow 9; Song Sparrow 289; Swamp Sparrow 29; White-throated Sparrow 53; White-crowned Sparrow 8; Dark-eyed Junco 1160; Snow Bunting 62; Red-winged Blackbird 31; Rusty Blackbird 10; Common Grackle 79; Brown-headed Cowbird 159; Purple Finch 85; House Finch 2082; Common Redpoll 8; Pine Siskin 4; Am. Goldfinch 906; Evening Grosbeak 8; House Sparrow 4021.

**TOTAL: 83 species, 32,195 individuals.

PLYMOUTH (16)

**DEC 29 - Canada Goose 2; Am. Black Duck 3; Mallard 3; N. Harrier 6; Sharp-shinned Hawk 1; Cooper's Hawk 1; Red-tailed Hawk 3; Am. Kestrel 9; Rock Dove 15; Mourning Dove 116; E. Screech-Owl 2; Short-eared Owl 4; Red-bellied Woodpecker 3; Downy Woodpecker 7; Hairy Woodpecker

2; N. Flicker 2; Horned Lark 24; Blue Jay 12; Am. Crow 49; Black-capped Chickadee 16; Tufted Titmouse 8; White-breasted Nuthatch 7; Brown Creeper 1; European Starling 212; N. Cardinal 54; Am. Tree Sparrow 124; Song Sparrow 11; Swamp Sparrow 1; White-crowned Sparrow 2; Dark-eyed Junco 25; Snow Bunting 140; House Finch 27; Pine Siskin 2; Am. Goldfinch 9; House Sparrow 159;

****TOTAL:** 35 species, 1062 individuals.

TIFFIN (17)

****DEC 17 -** Great Blue Heron 5; Canada Goose 6; Am. Black Duck 5; Mallard 301; Sharp-shinned Hawk 3; Cooper's Hawk 5; Red-tailed Hawk 12; Rough-legged Hawk 1; Am. Kestrel 38; Ring-necked Pheasant 1; Am. Coot CW; Killdeer 1; Common Snipe 1; Ring-billed Gull 4; Herring Gull 6; Rock Dove 933; Mourning Dove 711; E. Screech-Owl 2; Great Horned Owl 4; Belted Kingfisher 2; Red-headed Woodpecker 12; Red-bellied Woodpecker 24; Downy Woodpecker 110; Hairy Woodpecker 12; N. Flicker 9; Pileated Woodpecker 1; Horned Lark 219; Blue Jay 112; Am. Crow 24; Black-capped Chickadee 108; Tufted Titmouse 50; Red-breasted Nuthatch 1; White-breasted Nuthatch 71; Brown Creeper 13; Carolina Wren 3; Golden-crowned Kinglet 5; E. Bluebird 6; Am. Robin 1; Cedar Waxwing 11; European Starling 1372; Yellow-rumped Warbler 1; N. Cardinal 328; Am. Tree Sparrow 214; Field Sparrow 1; Song Sparrow 82; Swamp Sparrow 3; White-throated Sparrow 10; White-crowned Sparrow 26; Dark-eyed Junco 414; E. Meadowlark 1; House Finch 320; Common Redpoll 1; Am. Goldfinch 97; House Sparrow 949.

****TOTAL:** 53 species, 6658 individuals .

FREMONT (18)

****Dec. 31 -** Great Blue Heron 4; Canada Goose 2191; Am. Black Duck 44; Mallard 194; Canvasback 30; Bald Eagle 2; N. Harrier 3; Sharp-shinned Hawk 1; Cooper's Hawk's 6; N. Goshawk 1; Red-tailed Hawk 40; Rough-legged Hawk 1; Am. Kestrel 25; Ring-necked Pheasant 4; Killdeer 1; Ring-billed Gull 225; Herring Gull 41; Great Black-backed Gull 1; Rock Dove 283; Mourning Dove 1399; E. Screech-Owl 2; Great Horned Owl 7; Belted Kingfisher 12; Red-headed Woodpecker 3; Red-bellied Woodpecker 6; Downy Woodpecker 59; Hairy Woodpecker 6; N. Flicker 5; Horned Lark 444; Blue Jay 127; Am. Crow 11; Black-capped Chickadee 12; Tufted Titmouse 12; White-breasted Nuthatch 29; Brown Creeper 3; Carolina Wren 5; Golden-crowned Kinglet 6; European Starling 1547; N. Cardinal 175; Am. Tree Sparrow 354; Song Sparrow 97; Swamp Sparrow 11; White-throated Sparrow 3; White-crowned Sparrow 12; Dark-eyed Junco 262; Lapland Longspur 33; Snow Bunting 468; Red-winged Blackbird 1; Rusty Blackbird 18; Common Grackle 34; Brown-headed Cowbird 1; House Finch 179; Am. Goldfinch 102; House Sparrow 1955.

****TOTAL:** 54 Species, 10,497 Individuals.

WELLINGTON (19)

****DEC 28 -** Great Blue Heron 1; Canada Goose 112; Mallard 98; Greater Scaup 2; Common Goldeneye 4; Hooded Merganser 2; N. Harrier 2; Sharp-shinned Hawk 2; Cooper's Hawk 1; Red-tailed Hawk 11; Rough-legged Hawk 2; Am. Kestrel 25; Ring-necked Pheasant 2; Ring-billed Gull 1; Rock Dove 162; Mourning Dove 519; Great Horned Owl CW; Belted Kingfisher 1; Red-bellied Woodpecker 9; Downy Woodpecker 19; Hairy Woodpecker 3; N. Flicker 3; Horned Lark 895; Blue Jay 14; Am. Crow 12; Black-capped Chickadee 68; Tufted Titmouse 30; White-breasted Nuthatch 39; Brown Creeper 9; E. Bluebird 14; European Starling 1740; N. Cardinal 201; Am. Tree Sparrow 250; Song Sparrow 22; White-throated Sparrow 5; White-crowned Sparrow 38; Dark-eyed Junco 129; Snow Bunting 51; Red-winged Blackbird 4; Purple Finch 4; House Finch 222; Am. Goldfinch 85; House Sparrow 722.

****TOTAL:** 42 species, 5535 individuals.

OXBOW LAKE (20)

**DEC 17 - Canada Goose 79; Mallard 10; Red-tailed Hawk 9; Am. Kestrel 25; Ring-billed Gull 1; Rock Dove 20; Mourning Dove 54; E. Screech-Owl 2; Great Horned Owl 3; Belted Kingfisher 1; Red-bellied Woodpecker 3; Downy Woodpecker 17; Hairy Woodpecker 2; N. Flicker 3; Horned Lark 187; Blue Jay 24; Am. Crow 20; Black-capped Chickadee 35; Tufted Titmouse 15; White-breasted Nuthatch 34; Brown Creeper 6; E. Bluebird 3; Cedar Waxwing 1; European Starling 742; Yellow-rumped Warbler 3; N. Cardinal 47; Am. Tree Sparrow 48; Song Sparrow 45; White-throated Sparrow 1; White-crowned Sparrow 6; Dark-eyed Junco 42; Red-winged Blackbird 1; Common Grackle 1; Brown-headed Cowbird 4; House Finch 75; Am. Goldfinch 27; House Sparrow 478.

**TOTAL: 37 species, 2074 individuals.

GRAND LAKE ST. MARY'S (22)

**DEC 18 - Great Blue Heron 5; Greater White-fronted Goose CW; Snow Goose (white morph) 3; Canada Goose 2277; Am. Black Duck 253; Mallard 505; Red-tailed Hawk 6; Rough-legged Hawk 1; Am. Kestrel 18; Herring Gull 1; Rock Dove 63; Mourning Dove 119; E. Screech-Owl 1; Great Horned Owl 4; Belted Kingfisher 3; Red-bellied Woodpecker 9; Downy Woodpecker 71; Hairy Woodpecker 3; N. Flicker 6; Horned Lark 36; Blue Jay 47; Am. Crow 9; Black-capped Chickadee 23; Carolina Chickadee 31; Tufted Titmouse 22; White-breasted Nuthatch 40; Brown Creeper 11; Carolina Wren 9; Golden-crowned Kinglet 2; Cedar Waxwing 2; European Starling 356; N. Cardinal 108; Am. Tree Sparrow 132; Fox Sparrow 4; Song Sparrow 37; Swamp Sparrow 15; White-throated Sparrow 4; White-crowned Sparrow 1; Dark-eyed Junco 132; Purple Finch 8; House Finch 78; Am. Goldfinch 92; House Sparrow 243.

**TOTAL: 43 species, 4480 individuals.

HANCOCK COUNTY (23)

**DEC 17 - Great Blue Heron 6; Snow Goose (white morph) CW; Canada Goose 632; Wood Duck 2; Mallard 789; Sharp-shinned Hawk 3; Cooper's Hawk 3; N. Goshawk 1; Red-shouldered Hawk 1; Red-tailed Hawk 11; Rough-legged Hawk 1; Am. Kestrel 34; Ring-necked Pheasant 4; Herring Gull CW; Rock Dove 118; Mourning Dove 222; E. Screech-Owl 3; Great Horned Owl 5; Belted Kingfisher 4; Red-headed Woodpecker 1; Red-bellied Woodpecker 13; Yellow-bellied Sapsucker CW; Downy Woodpecker 95; Hairy Woodpecker 14; N. Flicker 3; Horned Lark 651; Blue Jay 85; Am. Crow 18; Black-capped Chickadee 65; Tufted Titmouse 58; Red-breasted Nuthatch 6; White-breasted Nuthatch 64; Brown Creeper 16; Carolina Wren 2; Golden-crowned Kinglet 1; Am. Robin 3; N. Mockingbird 1; Cedar Waxwing 15; European Starling 1032; N. Cardinal 128; Am. Tree Sparrow 44; Song Sparrow 9; White-throated Sparrow 3; Dark-eyed Junco 64; Snow Bunting 155; Red-winged Blackbird 1; Common Grackle 3; Brown-headed Cowbird 2; Purple Finch 4; House Finch 497; Am. Goldfinch 37; House Sparrow 370.

**TOTAL: 49 species, 5398 individuals.

INDIAN LAKE (24)

**DEC 20 - Great Blue Heron 3; Canada Goose 158; Mallard 63; Red-tailed Hawk 1; Am. Kestrel 3; Rock Dove 3; Mourning Dove 107; Red-bellied Woodpecker 6; Downy Woodpecker 6; N. Flicker 2; Blue Jay 8; Carolina Chickadee 8; Tufted Titmouse 4; White-breasted Nuthatch 7; Brown Creeper 4; European Starling 279; N. Cardinal 4; Am. Tree Sparrow 3; Song Sparrow 1; Brown-headed Cowbird 4; House Finch 14; Am. Goldfinch 23; House Sparrow 580.

**TOTAL: 23 species; 1307 individuals.

KILLDEER PLAINS WA (25)

**DEC 18- Great Blue Heron 1; Snow Goose 1; Canada Goose 7200; Wood Duck 200; Am. Black Duck 1050; Mallard 5800; N. Pintail 500; Am. Wigeon 200; Bald Eagle 1; N. Harrier 6; Sharp-shinned Hawk 3; Cooper's Hawk 1; Red-tailed Hawk 20; Rough-legged Hawk CW; Am. Kestrel 33; Ring-necked Pheasant 2; Rock Dove 54; Mourning Dove 1355; E. Screech-Owl 11; Great Horned Owl 13; Banded Owl 1; Long-eared Owl 1; Short-eared Owl 2; Red-headed Woodpecker 2; Red-bellied Woodpecker 24; Downy Woodpecker 96; Hairy Woodpecker 7; N. Flicker 20; Horned Lark 599; Blue Jay 108; Am. Crow 123; Black-capped Chickadee 69; Carolina Chickadee 2; Tufted Titmouse 82; Red-breasted Nuthatch 1; White-breasted Nuthatch 93; Brown Creeper 25; Golden-crowned Kinglet 5; E. Bluebird 5; Am. Robin 15; Cedar Waxwing 10; European Starling 1729; N. Cardinal 192; Am. Tree Sparrow 357; Field Sparrow 27; Song Sparrow 98; Swamp Sparrow 25; White-crowned Sparrow 3; Dark-eyed Junco 201; Lapland Longspur 4; Snow Bunting 9; Red-winged Blackbird 30; Rusty Blackbird 2; Common Grackle 150; Brown-headed Cowbird CW; Purple Finch 90; House Finch 88; Am. Goldfinch 183; House Sparrow 1996.

**TOTAL: 57 species, 22,928 individuals.

MANSFIELD (26)

DEC 17 - Pied-billed Grebe CW; Great Blue Heron 2; Canada Goose 625; Am. Black Duck 63; Mallard 249; Canvasback 1; Redhead 1; Lesser Scaup 4; Bufflehead 1; Hooded Merganser 1; N. Harrier 1; Cooper's Hawk 12; Red-shouldered Hawk 3; Red-tailed Hawk 41; Rough-legged Hawk 4; Am. Kestrel 13; Ring-necked Pheasant 2; Am. Coot 1; Ring-billed Gull 1; Rock Dove 430; Mourning Dove 863; E. Screech-Owl 42; Great Horned Owl 3; Banded Owl 4; Belted Kingfisher 5; Red-headed Woodpecker 2; Red-bellied Woodpecker 56; Yellow-bellied Sapsucker 1; Downy Woodpecker 135; Hairy Woodpecker 27; N. Flicker 12; Pileated Woodpecker 6; Horned Lark 59; Blue Jay 359; Am. Crow 8400; Black-capped Chickadee 2; Carolina Chickadee 3; chickadee, sp. 340; Tufted Titmouse 316; Red-breasted Nuthatch 6; White-breasted Nuthatch 193; Brown Creeper 5; Carolina Wren 9; Golden-crowned Kinglet 34; E. Bluebird 88; Hermit Thrush 1; Am. Robin 28; Cedar Waxwing 3; European Starling 221; N. Cardinal 505; Rufous-sided Towhee 2; Am. Tree Sparrow 320; Fox Sparrow 1; Song Sparrow 91; Swamp Sparrow 3; White-throated Sparrow 12; White-crowned Sparrow 3; Dark-eyed Junco 777; Common Grackle 1; Brown-headed Cowbird 3; Purple Finch 9; House Finch 948; Common Redpoll 8; Am. Goldfinch 450; House Sparrow 1293.

**TOTAL: 63 species, 17,104 individuals.

ASHLAND (27)

**DEC 17 - Great Blue Heron 11; Canada Goose CW; Mallard 56; Sharp-shinned Hawk 1; Cooper's Hawk 1; Red-tailed Hawk 14; Rough-legged Hawk 1; hawk, sp. 2; Am. Kestrel 8; Ring-necked Pheasant 1; Killdeer 1; Ring-billed Gull CW; Rock Dove 100; Mourning Dove 96; Great Horned Owl 3; Belted Kingfisher 1; Red-headed Woodpecker 1; Red-bellied Woodpecker 19; Downy Woodpecker 62; Hairy Woodpecker 7; N. Flicker 8; Pileated Woodpecker 1; Blue Jay 93; Am. Crow 175; Black-capped Chickadee 137; Carolina Chickadee 3; Tufted Titmouse 37; White-breasted Nuthatch 51; Brown Creeper 4; Winter Wren 1; Golden-crowned Kinglet 18; E. Bluebird 31; Am. Robin 4; N. Mockingbird 1; Cedar Waxwing 8; European Starling 169; Yellow-rumped Warbler 9; N. Cardinal 123; Rufous-sided Towhee 2; Am. Tree Sparrow 60; Field Sparrow 3; Song Sparrow 63; Dark-eyed Junco 62; Brown-headed Cowbird 1; House Finch 309; Pine Siskin 1; Am. Goldfinch 81; House Sparrow 120.

**TOTAL: 45 species 45, 1959 individuals.

MOHICAN STATE FOREST (28)

** ? - Great Blue Heron 12; Canada Goose 2; Am. Black Duck 4; Mallard 54; N. Harrier 1; Cooper's Hawk 3; Red-shouldered Hawk 2; Red-tailed Hawk 54; Rough-legged Hawk 19; Am. Kestrel 14; Ring-necked Pheasant CW; Wild Turkey 21; Killdeer 5; Common Snipe 1; Rock Dove 151; Mourning

Dove 810; E. Screech-Owl 20; Great Horned Owl 16; Belted Kingfisher 4; Red-bellied Woodpecker 55; Downy Woodpecker 105; Hairy Woodpecker 11; N. Flicker 4; Pileated Woodpecker 6; Horned Lark 38; Blue Jay 253; Am. Crow 335; Black-capped Chickadee 84; Carolina Chickadee 41; chickadee, sp. 101; Tufted Titmouse 147; Red-breasted Nuthatch CW; White-breasted Nuthatch 119; Brown Creeper 7; Carolina Wren 10; Golden-crowned Kinglet 6; E. Bluebird 90; Am. Robin 21; N. Mockingbird 1; Cedar Waxwing 3; European Starling 674; N. Cardinal 405; Rufous-sided Towhee 2; Am. Tree Sparrow 359; Chipping Sparrow 1; Field Sparrow 4; Song Sparrow 110; Swamp Sparrow 13; White-throated Sparrow 9; White-crowned Sparrow 16; Dark-eyed Junco 435; Purple Finch 12; House Finch 246; Am. Goldfinch 315; House Sparrow 773.

****TOTAL: 53 species, 6005 individuals.**

WOOSTER (29)

****DEC 18 -** Great Blue Heron 3; Canada Goose 42; Green-winged Teal 1; Mallard 27; N. Harrier 5; Sharp-shinned Hawk 2; Cooper's Hawk 1; Red-tailed Hawk 34; Rough-legged Hawk 7; Am. Kestrel 12; Killdeer 1; Common Snipe 1; Rock Dove 437; Mourning Dove 354; Great Horned Owl 7; Belted Kingfisher 3; Red-headed Woodpecker 6; Red-bellied Woodpecker 25; Yellow-bellied Sapsucker CW; Downy Woodpecker 61; Hairy Woodpecker 3; N. Flicker 11; Pileated Woodpecker 1; Horned Lark 22; Blue Jay 153; Am. Crow 139; chickadee, sp. 99; Tufted Titmouse 52; Red-breasted Nuthatch 3; White-breasted Nuthatch 62; Brown Creeper 3; Carolina Wren 2; Golden-crowned Kinglet 5; E. Bluebird 62; Am. Robin 2; Cedar Waxwing 6; European Starling 507; N. Cardinal 183; Am. Tree Sparrow 404; Song Sparrow 29; Swamp Sparrow 2; White-throated Sparrow 5; White-crowned Sparrow 3; Golden-crowned Sparrow 1; Dark-eyed Junco 112; Red-winged Blackbird 12; Purple Finch CW; House Finch 92; Am. Goldfinch 56; House Sparrow 329.

****TOTAL: 48 species, 3389 individuals.**

SALEM (31)

****DEC 18-** Great Blue Heron 1; Snow Goose CW; Canada Goose 281; Am. Black Duck CW; Mallard 430; Hooded Merganser 1; Red-breasted Merganser CW; Ruddy Duck CW; N. Harrier 1; Sharp-shinned Hawk 1; Cooper's Hawk 3; Red-tailed Hawk 12; Rough-legged Hawk CW; Am. Kestrel 17; Ruffed Grouse 2; Ring-billed Gull 1; Rock Dove 262; Mourning Dove 153; E. Screech-Owl 1; Great Horned Owl 1; Belted Kingfisher 3; Red-headed Woodpecker 2; Red-bellied Woodpecker 17; Yellow-bellied Sapsucker 1; Downy Woodpecker 26; Hairy Woodpecker 9; Pileated Woodpecker 3; Horned Lark 40; Blue Jay 90; Am. Crow 32; Black-capped Chickadee 77; Tufted Titmouse 34; Red-breasted Nuthatch 1; White-breasted Nuthatch 35; Brown Creeper 1; Carolina Wren 3; Winter Wren 3; E. Bluebird 2; Am. Robin 5; European Starling 269; N. Cardinal 93; Rufous-sided Towhee 3; Am. Tree Sparrow 24; Song Sparrow 19; White-crowned Sparrow 2; Dark-eyed Junco 97; Red-winged Blackbird 18; Common Grackle CW; Brown-headed Cowbird 1; House Finch 95; Am. Goldfinch 22; House Sparrow 371.

****TOTAL: 46 species, 2565 individuals.**

YOUNGSTOWN (32)

****DEC 17 -** Great Blue Heron 3; Snow Goose 1; Canada Goose 1724; Wood Duck 2; Am. Black Duck 302; Mallard 843; N. Pintail 1; N. Shoveler 1; Gadwall 200; Ring-necked Duck 150; Common Merganser 4; N. Harrier 1; Cooper's Hawk 4; Red-shouldered Hawk 3; Red-tailed Hawk 21; Am. Kestrel 8; Ring-necked Pheasant 2; Ring-billed Gull 31; Rock Dove 611; Mourning Dove 275; Barred Owl 1; Red-headed Woodpecker 5; Red-bellied Woodpecker 13; Yellow-bellied Sapsucker 1; Downy Woodpecker 68; Hairy Woodpecker 11; N. Flicker 12; Pileated Woodpecker 1; Horned Lark 15; Blue Jay 151; Am. Crow 91; Black-capped Chickadee 275; Tufted Titmouse 136; White-breasted Nuthatch 59; Brown Creeper 1; Carolina Wren 4; House Wren 1; Golden-crowned Kinglet 1; E. Bluebird 17; Am. Robin 12; Cedar Waxwing 156; European Starling 1389; Yellow-rumped Warbler 1; N. Cardinal 204; Am. Tree Sparrow 133; Field Sparrow 1; Song Sparrow 27; White-throated Sparrow 1; Dark-eyed Junco

100; Red-winged Blackbird 82; Common Grackle 2; Brown-headed Cowbird 6; House Finch 408; Am. Goldfinch 107; House Sparrow 325.

****TOTAL:** Species 55; Individuals 8,079.

BEAVER CREEK (33)

****DEC 17** - Pied-billed Grebe 1; Great Blue Heron 1; Canada Goose 678; Am. Black Duck 2; Mallard 74; Lesser Scaup 6; Common Goldeneye 2; Bufflehead 3; N. Harrier 1; Sharp-shinned Hawk 1; Cooper's Hawk 6; Red-shouldered Hawk 1; Red-tailed Hawk 34; Buteo, sp. 2; Am. Kestrel 15; Ring-necked Pheasant 2; Ruffed Grouse 5; Ring-billed Gull 3; Rock Dove 211; Mourning Dove 354; E. Screech-Owl 6; Great Horned Owl 2; Barred Owl 4; Belted Kingfisher 9; Red-bellied Woodpecker 50; Yellow-bellied Sapsucker 2; Downy Woodpecker 100; Hairy Woodpecker 22; N. Flicker 10; Pileated Woodpecker 7; Blue Jay 215; Am. Crow 247; Black-capped Chickadee 55; Carolina Chickadee 41; chickadee, sp. 182; Tufted Titmouse 138; Red-breasted Nuthatch 2; White-breasted Nuthatch 78; Brown Creeper 12; Carolina Wren 13; Winter Wren 4; Golden-crowned Kinglet 26; E. Bluebird 64; Am. Robin 92; N. Mockingbird 2; Cedar Waxwing 9; European Starling 1501; N. Cardinal 266; Rufous-sided Towhee 5; Am. Tree Sparrow 249; Chipping Sparrow 2; Field Sparrow 1; Song Sparrow 79; Swamp Sparrow 3; White-throated Sparrow 21; White-crowned Sparrow 3; Dark-eyed Junco 556; Red-winged Blackbird 10; Rusty Blackbird 1; Common Grackle 1; Purple Finch 56; House Finch 654; Am. Goldfinch 103; House Sparrow 309.

****TOTAL:** 62 species, 6704 individuals.

HOOVER RESERVOIR (36)

****Dec 16** - Pied-Billed Grebe 1; Great Blue Heron 1; Snow Goose (white morph) 1; Canada Goose 615; Am. Black Duck 17; Mallard; 407 Gadwall 2; Am. Wigeon 40; Canvasback 3; Ring-necked Duck 2; Common Goldeneye 1; Bufflehead 3; Hooded Merganser 28; Red-breasted Merganser 4; Common Merganser 17; Cooper's Hawk 1; Red-tailed Hawk 5; Am. Kestrel 18; Am. Coot 3; Bonaparte's Gull 5; Ring-billed Gull 387; Herring Gull 21; Rock Dove 84; Mourning Dove 51; Belted Kingfisher 1; Red-bellied Woodpecker 9; Downy Woodpecker 7; Hairy Woodpecker 3; N. Flicker 19; Pileated Woodpecker 3; Blue Jay 56; Am. Crow 28; Carolina Chickadee 64; Tufted Titmouse 28; White-breasted Nuthatch 22; Brown Creeper 2; Carolina Wren 7; Golden-crowned Kinglet 2; E. Bluebird 7; Am. Robin 111; N. Mockingbird 9; Cedar Waxwing 275; Yellow-rumped Warbler 2; N. Cardinal 59; Rufous-sided Towhee 1; Am. Tree Sparrow 9; Song Sparrow 19; White-throated Sparrow 2; Dark-eyed Junco 72; Red-winged Blackbird 25; E. Meadowlark 1; Common Grackle 2; Brown-headed Cowbird 13; House Finch 11; Am. Goldfinch 38; House Sparrow 330.

****TOTAL:** 57 species, 2953 individuals.

O'SHAUGHNESSY RESERVOIR (37)

**** ?** - Canada Goose 435; Am. Black Duck 5; Mallard 3; Common Goldeneye 8; Red-breasted Merganser 1; Sharp-shinned Hawk 1; Cooper's Hawk 1; Red-tailed Hawk 11; Am. Kestrel 9; Ring-billed Gull 27; Herring Gull 2; Rock Dove 32; Mourning Dove 163; Red-bellied Woodpecker 6; Downy Woodpecker 7; Hairy Woodpecker 2; N. Flicker 4; Horned Lark 50; Blue Jay 21; Am. Crow 22; Carolina Chickadee 10; Tufted Titmouse 14; White-breasted Nuthatch 6; Carolina Wren 2; E. Bluebird 7; Am. Robin 1; N. Mockingbird 9; European Starling 530; N. Cardinal 53; Am. Tree Sparrow 35; Song Sparrow 23; Dark-eyed Junco 36; House Finch 67; Am. Goldfinch 80; House Sparrow 210.

****TOTAL:** 35 species, 1904 individuals.

GREENVILLE (38)

** ? - Canada Goose 209; Ruddy Shelduck 1; Mallard 189; N. Harrier 4; Cooper's Hawk 1; N. Goshawk OW; Red-tailed Hawk 5; Am. Kestrel 6; N. Bobwhite 13; Rock Dove 322; Mourning Dove 142; Great Horned Owl 2; Belted Kingfisher 1; Red-bellied Woodpecker 8; Downy Woodpecker 49; Hairy Woodpecker 9; N. Flicker 7; Pileated Woodpecker 1; Horned Lark 47; Blue Jay 16; Am. Crow 8; Carolina Chickadee 90; Tufted Titmouse 46; White-breasted Nuthatch 30; Brown Creeper 4; E. Bluebird 3; N. Mockingbird 2; European Starling 433; N. Cardinal 108; Rufous-sided Towhee 1; Am. Tree Sparrow 2; Field Sparrow 15; Fox Sparrow 1; Song Sparrow 13; White-crowned Sparrow 6; Dark-eyed Junco 100; E. Meadowlark 5; Common Grackle 1; House Finch 166; Am. Goldfinch 41; House Sparrow 477.

**TOTAL: 40 species, 2583 individuals.

DAYTON (39)

**DEC 18 - Great Blue Heron 30; Canada Goose 282; Am. Black Duck 46; Mallard 1837; Gadwall 8; Ring-necked Duck 1; Common Goldeneye 5; Bufflehead 2; Sharp-shinned Hawk 1; Cooper's Hawk 4; Red-tailed Hawk 19; Am. Kestrel 25; Ring-necked Pheasant 1; Am. Coot 5; Killdeer 2; Common Snipe 2; Ring-billed Gull 34; Herring Gull 5; Rock Dove 560; Mourning Dove 522; E. Screech-Owl 2; Great Horned Owl 8; Barred Owl 3; N. Saw-whet Owl 1; Belted Kingfisher 12; Red-bellied Woodpecker 21; Yellow-bellied Sapsucker 3; Downy Woodpecker 85; Hairy Woodpecker 11; N. Flicker 22; Pileated Woodpecker 9; Horned Lark 23; Blue Jay 27; Am. Crow 97; Carolina Chickadee 256; Tufted Titmouse 81; Red-breasted Nuthatch 2; White-breasted Nuthatch 63; Brown Creeper 31; Carolina Wren 19; Winter Wren 2; Golden-crowned Kinglet 18; E. Bluebird 17; Am. Robin 1056; N. Mockingbird 8; Cedar Waxwing 9; European Starling 1659; Yellow-rumped Warbler 1; N. Cardinal 285; Rufous-sided Towhee 2; Am. Tree Sparrow 137; Fox Sparrow 1; Song Sparrow 80; Swamp Sparrow 8; White-throated Sparrow 84; White-crowned Sparrow 5; Dark-eyed Junco 352; Red-winged Blackbird 2; E. Meadowlark 1; Rusty Blackbird 9; Common Grackle 11; Brown-headed Cowbird 2; House Finch 260; Am. Goldfinch 119; House Sparrow 475.

**TOTAL: 66 species, 8771 individuals.

COLUMBUS (40)

**DEC 12 - Pied-billed Grebe 1; Canada Goose 135; Am. Black Duck 675; Mallard 783; Am. Wigeon 1; Canvasback 7; Ring-necked Duck 6; Lesser Scaup 1; Bufflehead 2; Common Merganser 19; N. Harrier 2; Sharp-shinned Hawk 3; Cooper's Hawk 4; Red-tailed Hawk 27; Rough-legged Hawk 1; Am. Kestrel 29; Ring-necked Pheasant 1; Am. Coot 3; Common Snipe 3; Ring-billed Gull 211; Herring Gull 6; Rock Dove 2326; Mourning Dove 893; E. Screech-Owl 1; Great Horned Owl 5; Long-eared Owl 1; Belted Kingfisher 8; Red-bellied Woodpecker 30; Yellow-bellied Sapsucker 1; Downy Woodpecker 99; Hairy Woodpecker 18; N. Flicker 38; Pileated Woodpecker 11; Horned Lark 30; Blue Jay 231; Am. Crow 134; Black-capped Chickadee 7; Carolina Chickadee 261; Tufted Titmouse 133; Red-breasted Nuthatch 2; White-breasted Nuthatch 106; Brown Creeper 17; Carolina Wren 12; Golden-crowned Kinglet 11; E. Bluebird 9; Am. Robin 841; N. Mockingbird 24; Cedar Waxwing 32; European Starling 27,217; Yellow-rumped Warbler 8; N. Cardinal 587; Am. Tree Sparrow 508; Savannah Sparrow 1; Song Sparrow 213; Swamp Sparrow 3; White-throated Sparrow 47; White-crowned Sparrow 1; Dark-eyed Junco 521; Red-winged Blackbird 2; Common Grackle 145; Brown-headed Cowbird 3001; Purple Finch 14; House Finch 498; Am. Goldfinch 197; House Sparrow 1635.

**TOTAL: 65 species, 41,799 individuals.

BUCKEYE LAKE (41)

**DEC 12 - Great Blue Heron 12; Canada Goose 191; Wood Duck 1; Green-winged Teal 1; Am. Black Duck 128; Mallard 1962; Common Goldeneye 2; Hooded Merganser 2; N. Harrier 5; Cooper's Hawk 8; Red-tailed Hawk 30; Rough-legged Hawk 3; Am. Kestrel 44; Am. Coot 1; Ring-billed Gull 1; Rock Dove 470; Mourning Dove 975; E. Screech-Owl 3; Great Horned Owl 4; Belted Kingfisher 3; Red-bellied Woodpecker 52; Yellow-bellied Sapsucker 1; Downy Woodpecker 71; Hairy Woodpecker 9;

N. Flicker 26; Pileated Woodpecker 8; Horned Lark 545; Blue Jay 125; Am. Crow 166; Black-capped Chickadee 176; Tufted Titmouse 103; White-breasted Nuthatch 59; Brown Creeper 16; Carolina Wren 14; Golden-crowned Kinglet 6; E. Bluebird 69; Am. Robin 785; N. Mockingbird 21; Cedar Waxwing 68; European Starling 2269; Yellow-rumped Warbler 2; N. Cardinal 326; Am. Tree Sparrow 323; Song Sparrow 183; Swamp Sparrow 2; White-throated Sparrow 9; White-crowned Sparrow 11; Dark-eyed Junco 132; Snow Bunting 1; Red-winged Blackbird 1; E. Meadowlark 20; Common Grackle 43; Brown-headed Cowbird 12; House Finch 535; Am. Goldfinch 100; House Sparrow 1398.

**TOTAL: 56 species, 11,533 individuals.

ZANESVILLE (42)

**JAN 25 [?] - Pied-billed Grebe 3; Great Blue Heron 17; Mute Swan 10; Canada Goose 224; Green-winged Teal 10; Am. Black Duck 65; Mallard 458; Blue-winged Teal 22; Common Goldeneye 1; Bufflehead 1; Hooded Merganser 1; Common Merganser 2; N. Harrier 2; Cooper's Hawk 3; Red-tailed Hawk 14; Rough-legged Hawk 1; Am. Kestrel 17; Peregrine Falcon 1; Ruffed Grouse 1; Killdeer 5; Ring-billed Gull 2; Rock Dove 373; Mourning Dove 70; Great Horned Owl 1; Barred Owl 1; Belted Kingfisher 5; Red-headed Woodpecker 1; Red-bellied Woodpecker 15 [incomplete report submitted-Ed.].

**TOTAL: 28 species, 1326 individuals.

NEW LEXINGTON (43)

**JAN 1 - Canada Goose 31; Mallard 15; N. Harrier 1; Cooper's Hawk 2; Red-tailed Hawk 10; Rough-legged Hawk 2; Am. Kestrel 18; Rock Dove 46; Mourning Dove 276; Red-headed Woodpecker 6; Red-bellied Woodpecker 27; Downy Woodpecker 16; Hairy Woodpecker 15; N. Flicker 21; Pileated Woodpecker 7; Blue Jay 69; Am. Crow 86; Black-capped Chickadee 22; Carolina Chickadee 37; Tufted Titmouse 36; Red-breasted Nuthatch 1; White-breasted Nuthatch 33; Golden-crowned Kinglet 1; E. Bluebird 43; Swainson's Thrush 1; Am. Robin 22; N. Mockingbird 1; Cedar Waxwing 16; European Starling 260; N. Cardinal 185; Rufous-sided Towhee 6; Am. Tree Sparrow 96; Field Sparrow 2; Song Sparrow 46; White-throated Sparrow 3; White-crowned Sparrow 1; Dark-eyed Junco 91; Brown-headed Cowbird 1; House Finch 131; Am. Goldfinch 54; House Sparrow 113.

**TOTAL: 41 species, 1850 individuals.

LANCASTER (44)

**DEC 31 - Great Blue Heron 1; Canada Goose 49; Am. Black Duck 19; Mallard 48; Turkey Vulture 4; N. Harrier 1; Sharp-shinned Hawk 1; Cooper's Hawk 5; Red-tailed Hawk 26; Rough-legged Hawk 2; Am. Kestrel 20; Killdeer 1; Rock Dove 105; Mourning Dove 609; E. Screech-Owl 4; Short-eared Owl 6; Belted Kingfisher 4; Red-headed Woodpecker 1; Red-bellied Woodpecker 37; Yellow-bellied Sapsucker 2; Downy Woodpecker 67; Hairy Woodpecker 9; N. Flicker 24; Pileated Woodpecker 8; Horned Lark 16; Blue Jay 162; Am. Crow 291; Carolina Chickadee 143; Tufted Titmouse 86; White-breasted Nuthatch 70; Brown Creeper 4; Carolina Wren 12; Golden-crowned Kinglet 7; E. Bluebird 109; Hermit Thrush 1; Am. Robin 453; N. Mockingbird 9; Brown Thrasher 1; Cedar Waxwing 46; European Starling 1277; N. Cardinal 174; Rufous-sided Towhee 6; Am. Tree Sparrow 48; Field Sparrow 42; Song Sparrow 133; Swamp Sparrow 6; White-throated Sparrow 13; Dark-eyed Junco 229; E. Meadowlark 6; Common Grackle 4; Brown-headed Cowbird 2; Purple Finch 5; House Finch 187; Pine Siskin 4; Am. Goldfinch 131; Evening Grosbeak 3; House Sparrow 611.

**TOTAL: 57 species, 5350 individuals.

PAINT CREEK AREA (46)

**DEC 18 - Great Blue Heron 14; Green-backed Heron 1; Canada Goose 265; Am. Black Duck 17; Mallard 564; Canvasback 2; Common Goldeneye 20; Bufflehead 4; duck, sp. 2500; N. Harrier 9;

Red-shouldered Hawk 2; Red-tailed Hawk 28; Broad-winged Hawk 1; Am. Kestrel 36; N. Bobwhite 15; Killdeer 1; Bonaparte's Gull 4; Ring-billed Gull 42; Herring Gull 9; gull, sp. 13; Rock Dove 262; Mourning Dove 114; E. Screech-Owl 2; Belted Kingfisher 6; Red-headed Woodpecker 3; Red-bellied Woodpecker 11; Downy Woodpecker 21; Hairy Woodpecker 1; N. Flicker 13; Pileated Woodpecker 3; Horned Lark 222; Blue Jay 42; Am. Crow 107; chickadee, sp. 49; Tufted Titmouse 32; Red-breasted Nuthatch 3; White-breasted Nuthatch 14; Brown Creeper 1; Carolina Wren 1; Golden-crowned Kinglet 1; N. Mockingbird 1; European Starling 222; N. Cardinal 160; Am. Tree Sparrow 60; Chipping Sparrow 1; Song Sparrow 17; White-throated Sparrow 3; White-crowned Sparrow 12; Dark-eyed Junco 144; Red-winged Blackbird 1; House Finch 37; Am. Goldfinch 82; House Sparrow 254.

****TOTAL: 55 species, 5499 individuals.**

OXFORD (47)

****DEC 17 -** Great Blue Heron 1; Canada Goose 185; Am. Black Duck 638; Mallard 1850; Common Goldeneye 24; Bufflehead 2; Hooded Merganser 4; Red-breasted Merganser 4; Common Merganser 2; N. Harrier 4; Sharp-shinned Hawk 2; Cooper's Hawk 1; Red-tailed Hawk 13; Am. Kestrel 8; N. Bobwhite 1; Killdeer 1; Ring-billed Gull 19; Rock Dove 64; Mourning Dove 328; Great Horned Owl 1; Banded Owl 2; Long-eared Owl 1; Belted Kingfisher 4; Red-headed Woodpecker 1; Red-bellied Woodpecker 29; Yellow-bellied Sapsucker 2; Downy Woodpecker 53; Hairy Woodpecker 9; N. Flicker 17; Pileated Woodpecker 10; Horned Lark 111; Blue Jay 35; Am. Crow 72; Carolina Chickadee 78; Tufted Titmouse 61; Red-breasted Nuthatch 3; White-breasted Nuthatch 23; Brown Creeper 3; Carolina Wren 13; Golden-crowned Kinglet 10; Ruby-crowned Kinglet 2; E. Bluebird 50; Am. Robin 21; N. Mockingbird 6; Cedar Waxwing 2; European Starling 827; N. Cardinal 132; Rufous-sided Towhee 1; Am. Tree Sparrow 21; Chipping Sparrow 6; Field Sparrow 3; Song Sparrow 86; Swamp Sparrow 7; White-throated Sparrow 8; White-crowned Sparrow 2; Dark-eyed Junco 400; E. Meadowlark 3; Common Grackle 1; Purple Finch 1; House Finch 37; Pine Siskin 3; Am. Goldfinch 133; House Sparrow 357.

****TOTAL: 63 species, 5788 individuals.**

CINCINNATI (50)

****DEC 26 -** Pied-billed Grebe 1; Great Blue Heron 38; Canada Goose 187; Wood Duck 2; Am. Black Duck 10; Mallard 445; Gadwall 6; Ring-necked Duck 2; Common Goldeneye 3; Hooded Merganser 1; Sharp-shinned Hawk 7; Cooper's Hawk 9; Accipiter, sp. 3; Red-shouldered Hawk 3; Red-tailed Hawk 71; Rough-legged Hawk 1; Buteo, sp. 1; Am. Kestrel 64; N. Bobwhite 78; Killdeer 13; Common Snipe 1; Ring-billed Gull 18; Rock Dove 395; Mourning Dove 1179; E. Screech-Owl 3; Great Horned Owl 14; Banded Owl 2; Short-eared Owl 4; Belted Kingfisher 49; Red-bellied Woodpecker 359; Yellow-bellied Sapsucker 12; Downy Woodpecker 488; Hairy Woodpecker 69; N. Flicker 174; Pileated Woodpecker 30; Horned Lark 26; Blue Jay 594; Am. Crow 1940; Carolina Chickadee 2072; Tufted Titmouse 691; Red-breasted Nuthatch 7; White-breasted Nuthatch 170; Brown Creeper 26; Carolina Wren 479; Winter Wren 3; Golden-crowned Kinglet 67; E. Bluebird 123; Hermit Thrush 4; Am. Robin 4152; N. Mockingbird 205; Cedar Waxwing 77; European Starling 19917; Yellow-rumped Warbler 17; N. Cardinal 2191; Rufous-sided Towhee 108; Am. Tree Sparrow 386; Field Sparrow 26; Fox Sparrow 5; Song Sparrow 1407; Swamp Sparrow 39; White-throated Sparrow 727; White-crowned Sparrow 32; Dark-eyed Junco 779; Red-winged Blackbird 286; E. Meadowlark 5; Rusty Blackbird 25; Brewer's Blackbird 2; Euphagus, sp. 7; Common Grackle 23; Brown-headed Cowbird 62; Purple Finch 3; House Finch 261; Pine Siskin 2; Am. Goldfinch 1189; House Sparrow 884.

****TOTAL: 72 species, 42,761 individuals.**

PORTSMOUTH (52)

****DEC 17 -** Great Blue Heron 57; Mute Swan 2; Canada Goose 11; Green-winged Teal 1; Am. Black Duck 5; Mallard 52; Hooded Merganser 2; N. Harrier 1; Cooper's Hawk 2; Red-tailed Hawk 12;

Rough-legged Hawk 4; Am. Kestrel 25; Ruffed Grouse 2; Wild Turkey 5; Killdeer 4; Ring-billed Gull 1; Rock Dove 431; Mourning Dove 312; Great Horned Owl 3; Barred Owl 1; Belted Kingfisher 2; Red-bellied Woodpecker 15; Yellow-bellied Sapsucker 6; Downy Woodpecker 72; Hairy Woodpecker 12; Northern Flicker 11; Pileated Woodpecker 23; Horned Lark 70; Blue Jay 72; Am. Crow 364; Black-capped Chickadee 3; Carolina Chickadee 202; Tufted Titmouse 119; Red-breasted Nuthatch 1; White-breasted Nuthatch 60; Brown Creeper 4; Carolina Wren 21; Ruby-crowned Kinglet 1; E. Bluebird 12; Am. Robin 6; N. Mockingbird 9; Cedar Waxwing 4; European Starling 866; N. Cardinal 146; Rufous-sided Towhee 7; Am. Tree Sparrow 6; Field Sparrow 1; Song Sparrow 82; White-throated Sparrow 52; White-crowned Sparrow 4; Dark-eyed Junco 190; Rusty Blackbird 1; Common Grackle 9; Brown-headed Cowbird 3; Purple Finch 48; House Finch 153; Pine Siskin 4; Am. Goldfinch 166; House Sparrow 390.

****TOTAL: 59 species, 4150 individuals.**

WASHINGTON COUNTY (53)

****DEC 26 -** Pied-billed Grebe 2; Great Blue Heron 4; Canada Goose 2; Am. Black Duck 12; Mallard 10; N. Harrier 2; Sharp-shinned Hawk 2; Cooper's Hawk 3; Red-tailed Hawk 32; Rough-legged Hawk 1; Am. Kestrel 39; Ruffed Grouse 1; Rock Dove 623; Mourning Dove 709; E. Screech-Owl 5; Great Horned Owl 1; Belted Kingfisher 11; Red-bellied Woodpecker 69; Yellow-bellied Sapsucker 2; Downy Woodpecker 69; Hairy Woodpecker 15; N. Flicker 19; Pileated Woodpecker 18; Horned Lark 10; Blue Jay 165; Am. Crow 389; Black-capped Chickadee 13; Carolina Chickadee 128; chickadee, sp. 140; Tufted Titmouse 155; Red-breasted Nuthatch 1; White-breasted Nuthatch 123; Brown Creeper 4; Carolina Wren 63; Golden-crowned Kinglet 7; E. Bluebird 158; Am. Robin 30; N. Mockingbird 45; European Starling 4232; Yellow-rumped Warbler 2; N. Cardinal 512; Rufous-sided Towhee 9; Am. Tree Sparrow 19; Chipping Sparrow 5; Field Sparrow 10; Song Sparrow 140; White-throated Sparrow 57; White-crowned Sparrow 47; Dark-eyed Junco 214; E. Meadowlark 3; Common Grackle 1; Brown-headed Cowbird 3; blackbird, sp. 220; House Finch 472; Common Redpoll 1; Pine Siskin 3; Am. Goldfinch 205; House Sparrow 335.

****TOTAL: 56 species, 9572 individuals.**

ATHENS (54)

****DEC 17 -** Pied-billed Grebe 1; Great Blue Heron 2; Tundra Swan 1; Canada Goose 72; Am. Black Duck 11; Mallard 75; Ring-necked Duck 2; Ruddy Duck CW; Cooper's Hawk 6; Red-tailed Hawk 9; Am. Kestrel 27; Ruffed Grouse 5; Wild Turkey 24; Killdeer 2; Rock Dove 358; Mourning Dove 500; E. Screech-Owl 4; Great Horned Owl 2; Barred Owl 1; Belted Kingfisher 5; Red-bellied Woodpecker 39; Yellow-bellied Sapsucker 3; Downy Woodpecker 56; Hairy Woodpecker 11; N. Flicker 5; Pileated Woodpecker 10; Blue Jay 98; Am. Crow 155; Carolina Chickadee 204; Tufted Titmouse 79; Red-breasted Nuthatch 2; White-breasted Nuthatch 67; Brown Creeper 5; Carolina Wren 52; Winter Wren 1; Golden-crowned Kinglet 2; E. Bluebird 42; Am. Robin 35; N. Mockingbird 16; Cedar Waxwing 3; European Starling 253; Yellow-rumped Warbler 2; N. Cardinal 375; Rufous-sided Towhee 9; Am. Tree Sparrow 44; Field Sparrow 6; Vesper Sparrow 1; Fox Sparrow 1; Song Sparrow 149; Swamp Sparrow 1; White-throated Sparrow 86; White-crowned Sparrow 89; Dark-eyed Junco 252; Red-winged Blackbird 2; Rusty Blackbird 25; House Finch 300; Am Goldfinch 168; House Sparrow 147.

****TOTAL: 58 species, 3898 individuals.**

MT. GILEAD (55)

****DEC 17 -** Great Blue Heron 1; Canada Goose 18; N. Harrier 3; Sharp-shinned Hawk 1; Red-tailed Hawk 17; Am. Kestrel 33; Ring-necked Pheasant 1; Killdeer 1; Rock Dove 270; Mourning Dove 318; E. Screech-Owl 2; Great Horned Owl 2; Belted Kingfisher 1; Red-bellied Woodpecker 10; Downy Woodpecker 34; Hairy Woodpecker 4; N. Flicker 13; Pileated Woodpecker CW; Horned Lark 104; Blue Jay 65; Am. Crow 74; chickadee, sp. 51; Tufted Titmouse 40; Red-breasted Nuthatch 2; White-breasted Nuthatch 26; Brown Creeper 1; Golden-crowned Kinglet 3; E. Bluebird 17; European

Starling 1018; N. Cardinal 114; Am. Tree Sparrow 154; Song Sparrow 35; White-crowned Sparrow 8; Dark-eyed Junco 135; Dark-eyed (Ore.) Junco 1; House Finch 171; Am. Goldfinch 80; House Sparrow 710.

****TOTAL:** 37 species, 3536 individuals.

SALT FORK STATE PARK (56)

****DEC 26** - Common Loon 1; Pied-billed Grebe 2; Horned Grebe 1; Great Blue Heron 1; Canada Goose 263; Am. Black Duck 3; Mallard 4; Hooded Merganser 15; Red-breasted Merganser 1; Common Merganser 9; Cooper's Hawk 1; Red-tailed Hawk 23; Rough-legged Hawk 1; Am. Kestrel 6; Ring-necked Pheasant 1; Rock Dove 40; Mourning Dove 74; E. Screech-Owl 1; Great Horned Owl 1; Long-eared Owl 1; Red-bellied Woodpecker 29; Yellow-bellied Sapsucker 1; Downy Woodpecker 25; Hairy Woodpecker 3; N. Flicker 17; Pileated Woodpecker 10; Horned Lark 1; Blue Jay 46; Am. Crow 106; Carolina Chickadee 82; Tufted Titmouse 47; White-breasted Nuthatch 23; Brown Creeper 3; Carolina Wren 4; Golden-crowned Kinglet 3; E. Bluebird 116; Am. Robin 4; N. Mockingbird 4; Cedar Waxwing 16; European Starling 624; N. Cardinal 142; Rufous-sided Towhee 4; Am. Tree Sparrow 98; Song Sparrow 81; Swamp Sparrow 14; White-throated Sparrow 4; Dark-eyed Junco 165; Red-winged Blackbird 17; Common Grackle 1; Brown-headed Cowbird 1; House Finch 64; Am. Goldfinch 29; House Sparrow 370.

****TOTAL:** 53 species, 2603 individuals.

PARKERSBURG, WV-OH (57)

****DEC 17** - Pied-billed Grebe 1; grebe, sp. 1; Great Blue Heron 22; Canada Goose 150; Mallard 16; Blue-winged Teal 1; duck, sp. 1; N. Harrier 1; Sharp-shinned Hawk 2; Cooper's Hawk 4; Accipiter, sp. 1; Red-tailed Hawk 11; Am. Kestrel 32; Ring-billed Gull 3; Rock Dove 282; Mourning Dove 1030; E. Screech-Owl 10; Belted Kingfisher 5; Red-headed Woodpecker 2; Red-bellied Woodpecker 55; Yellow-bellied Sapsucker 12; Downy Woodpecker 111; Hairy Woodpecker 13; N. Flicker 31; Pileated Woodpecker 21; Blue Jay 244; Am. Crow 264; Black-capped Chickadee 4; Carolina Chickadee 219; chickadee, sp. 213; Tufted Titmouse 263; White-breasted Nuthatch 105; Brown Creeper 5; Carolina Wren 120; Golden-crowned Kinglet 21; E. Bluebird 113; Hermit Thrush 3; Am. Robin 26; N. Mockingbird 52; Cedar Waxwing 3; European Starling 1411; Yellow-rumped Warbler 3; N. Cardinal 682; Rufous-sided Towhee 14; Am. Tree Sparrow 16; Field Sparrow 6; Fox Sparrow 2; Song Sparrow 232; White-throated Sparrow 126; White-crowned Sparrow 180; Dark-eyed Junco 714; Red-winged Blackbird 1; E. Meadowlark 4; Common Grackle 9; Brown-headed Cowbird 14; Purple Finch 8; House Finch 673; Pine Siskin 6; Am. Goldfinch 195; House Sparrow 652.

****TOTAL:** 56 species, 8421 individuals.

OHIO RIVER (58)

****DEC 27** - Pied-billed Grebe 3; Great Blue Heron 48; Canada Goose 281; Green-winged Teal 2; Am. Black Duck 18; Mallard 212; Gadwall 19; Canvasback 5; Redhead 3; Ring-necked Duck 12; Lesser Scaup 2; Common Goldeneye 15; Bufflehead 2; Hooded Merganser 1; Common Merganser 3; Black Vulture 12; Turkey Vulture 17; Sharp-shinned Hawk 2; Cooper's Hawk 6; Red-tailed Hawk 33; Am. Kestrel 33; N. Bobwhite 1; Am. Coot 31; Killdeer 2; Ring-billed Gull 60; Herring Gull 2; Glaucous Gull 1; Rock Dove 414; Mourning Dove 428; E. Screech-Owl 4; Great Horned Owl 2; Barred Owl 2; Belted Kingfisher 10; Red-bellied Woodpecker 32; Yellow-bellied Sapsucker 3; Downy Woodpecker 51; Hairy Woodpecker 6; N. Flicker 32; Pileated Woodpecker 4; Horned Lark 19; Blue Jay 32; Am. Crow 818; Carolina Chickadee 336; Tufted Titmouse 109; White-breasted Nuthatch 29; Brown Creeper 6; Carolina Wren 117; Winter Wren 1; Golden-crowned Kinglet 12; E. Bluebird 102; Hermit Thrush 1; Am. Robin 364; N. Mockingbird 14; Cedar Waxwing 73; European Starling 2356; Yellow-rumped Warbler 3; N. Cardinal 278; Rufous-sided Towhee 26; Am. Tree Sparrow 182; Field Sparrow 4; Song Sparrow 349; Swamp Sparrow 23; White-throated Sparrow 60; White-crowned Sparrow 28; Dark-eyed Junco 35; Red-winged Blackbird 17; E. Meadowlark 1; Rusty Blackbird 9; Brewer's

Blackbird 2; Euphagus, sp. 15; Common Grackle 25; Brown-headed Cowbird 8; Purple Finch 3; House Finch 259; Am. Goldfinch 99; House Sparrow 179.

****TOTAL:** 74 species, 7797 individuals.

EAST FORK LAKE (59)

**** ?** - Common Loon CW; Pied-billed Grebe 4; Red-necked Grebe CW; Great Blue Heron 3; Canada Goose 49; Green-winged Teal 3; Am. Black Duck 75; Mallard 672; N. Pintail 1; Gadwall 2; Am. Wigeon 3; Common Merganser 3; duck, sp. 115; N. Harrier 1; Sharp-shinned Hawk 1; Cooper's Hawk 1; Red-shouldered Hawk 1; Red-tailed Hawk 12; Am. Kestrel 31; N. Bobwhite 2; Killdeer 2; Ring-billed Gull 103; Rock Dove 12; Mourning Dove 787; E. Screech-Owl 1; Great Horned Owl 1; Belted Kingfisher 3; Red-bellied Woodpecker 35; Downy Woodpecker 32; Hairy Woodpecker 9; N. Flicker 23; Pileated Woodpecker 1; Horned Lark 120; Blue Jay 90; Am. Crow 45; Carolina Chickadee 162; Tufted Titmouse 60; Red-breasted Nuthatch 1; White-breasted Nuthatch 14; Brown Creeper 1; Carolina Wren 39; Golden-crowned Kinglet 11; E. Bluebird 111; Am. Robin 6; N. Mockingbird 18; Water Pipit 1; Cedar Waxwing 68; European Starling 434; Yellow-rumped Warbler 5; N. Cardinal 251; Rufous-sided Towhee 11; Am. Tree Sparrow 158; Field Sparrow 29; Song Sparrow 188; Swamp Sparrow 19; White-throated Sparrow 34; White-crowned Sparrow 10; Dark-eyed Junco 330; E. Meadowlark 5; Rusty Blackbird 2; Common Grackle 1; Brown-headed Cowbird 1; Purple Finch 2; House Finch 46; Am. Goldfinch 194; House Sparrow 185.

****TOTAL:** 63 species, 4640 individuals.



Barred Owl at O'Neil Woods Metropark, Summit County, Ohio, as it sat throughout the winter (1988-89) daylight hours. Photograph by Ed Pierce.

The circles represent Christmas Bird Count areas. The numbers correspond to count numbers in the preceding article. Shaded areas received coverage other than CBC coverage.

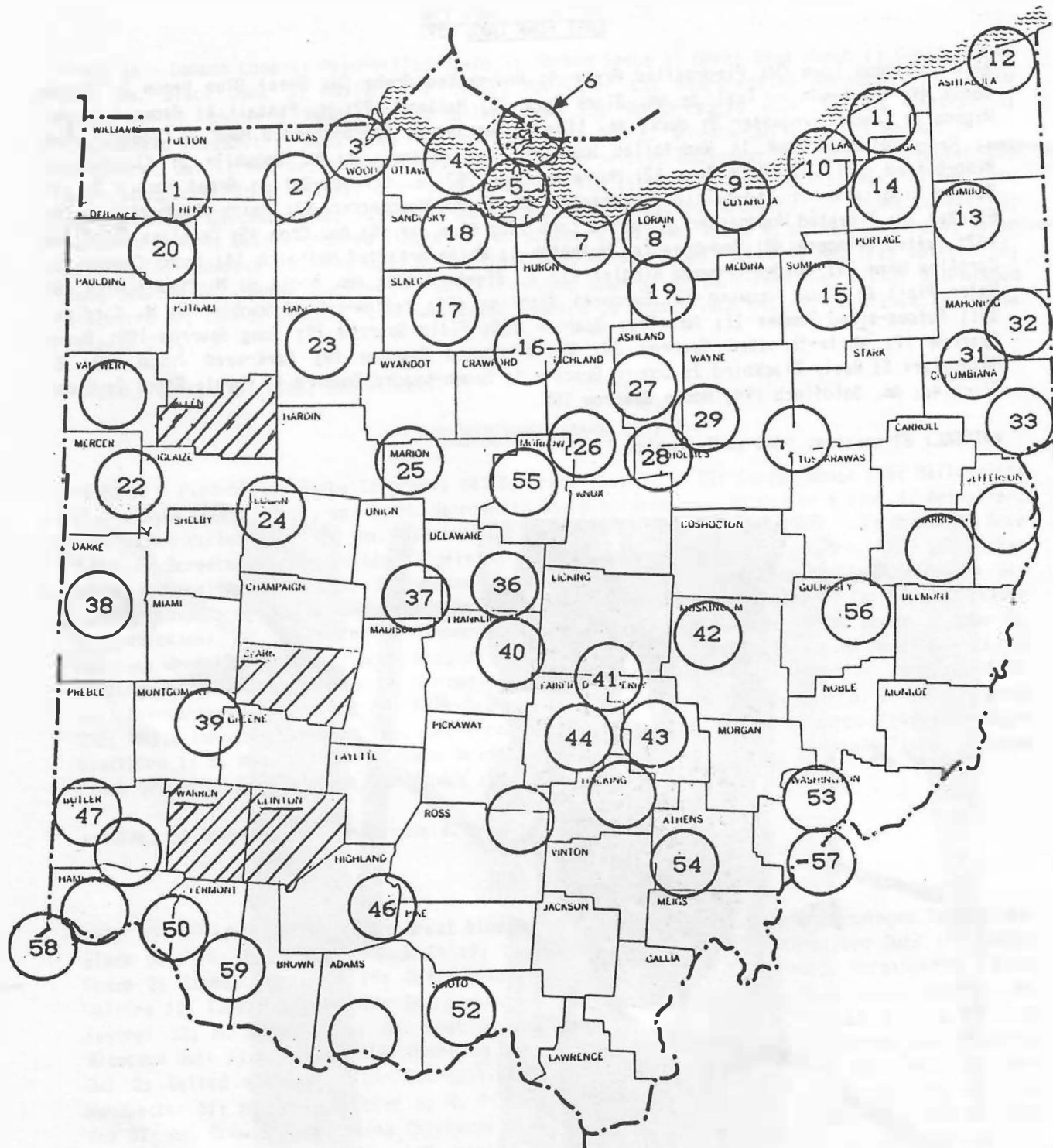


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