

**Kelleys Island, Ohio  
Bird Banding – Avian Research Project  
2021 Report**



**2021 Kelleys Island Northern Saw-whet Owl banding crew and Tom Bartlett  
with the banded saw-whet which was his career 100,000 individual banded  
October 22, 2021**

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**Federal Bird Marking and Salvage Permit # 21624**

**Ohio Division of Wildlife Animal Permit #20-164 & 24-039**

**Ohio Division of Natural Areas & Preserves Research Permit #RP 2021-4**

**Ohio Division of Parks & Watercrafts 2021**

**Cleveland Museum of Natural History Natural Areas Access Permit 2021**

**Kelleys Island Private Land Use Permit – Morse Farm Trust**

**Kelleys Island Private Land Use Permit – Pat & Lori Hayes**

**Kelleys Island, Ohio**  
**Bird Banding – Avian Research Project**  
**Summary of 2021 Data**  
**H. Thomas Bartlett**

**Introduction:**

2021 marks the 26<sup>th</sup> year of this bird banding/avian research project on Kelleys Island. It was still a little different year due to the continuing worldwide pandemic. This banding project began in the spring of 1996 in conjunction with the Kelleys Island Audubon Club's spring "Nest with the Birds" program. A monthly survey route was begun in November of 1997 and ended in 2018. All research activities have been sponsored and/or supported by the Kelleys Island Audubon Club, the Cleveland Museum of Natural History, Morse Farms Trust & Morse family, Kelleys Island Field Station, Huntington Bank, Pat and Lori Hayes, Lee and Sandy Tkach, Bill and June Campbell, Delores Cole (late), Fred & Betsy (late) Walcott, Kyle and Jeri Yoest, Jim and Barb Zeller, Camp Patmos & staff, Kathy Reddinger, and the Kelleys Island School (and School Board). Special thanks to volunteers Paula Bartlett, Alexi Panehal, Chris Ashley, Patti Wainwright Haley, Sandy Teliak, Tyler McClain, Mariah Scherer, Shane & Laura Roberts, Ed Toll, Emily Beal, Steve Henthorne, and Tom & Jennifer Pieratt. As always, we thank Kevin Ertley of the Morse family for his meticulous efforts to maintain the Morse Farms property and make our job easier.

Although the pandemic continued into 2021, our banding activities somewhat returned to normal although we continued with the guidelines from the Bird Banding Laboratory, the North American Banding Council, the bird banding community, and the State of Ohio. Basically we tried to limit our staff to six experienced personnel, wear masks, maintain social distancing, and kept the public six feet from the banding. Even with these guidelines, **1774** people visited the banding stations. At the Jones Preserve and at the Scheele Preserve we put up tape to keep visitors from the banding table. Signs were placed to explain that no visitors were allowed at the banding table, to wear masks, and maintain social distancing. Programs like Kelleys Island Audubon Club's Nest with the Birds and Feathers and Foliage, Road Scholar programs, Kelleys Island Field Station programs, Cleveland Museum of Natural History programs were conducted under similar protocol. Most visitors were very cooperative but we still had more than we liked. Hopefully 2022 will be under better conditions.

**Since the Spring of 1996, 23,704 individuals of 122 species of birds have been banded on Kelleys Island. When we include recaptures, escapes/released birds, and casualties, we have handled 27,088 birds over the twenty-six years. We have an average rate of 9.6 % recaptured birds, escaped/released birds of 2.5 %, and a casualty rate of 0.41 % over the twenty-six years.**

The top ten species banded during 2021 were (55.4% of this year's birds banded):

1. Golden-crowned Kinglet	369	6. Blackpoll Warbler	159
2. Magnolia warbler	237	7. Northern Saw-whet Owl	126
3. Ruby-crowned Kinglet	164	8. Hermit Thrush	121
4. Yellow-rumped (Myrtle) Warbler	163	9. Swainson's Thrush	92
5. White-throated Sparrow	162	10. Dark-eyed Junco	85

The top ten species banded for 26 years are (45.2% of all birds banded):

1. Golden-crowned Kinglet	1901	6. Hermit Thrush	980
2. Magnolia Warbler	1282	7. Swainson's Thrush	880
3. Ruby-crowned Kinglet	1207	8. Yellow-rumped (Myrtle) Warbler	837
4. American Goldfinch	1111	9. Dark-eyed Junco	723
5. Northern Saw-whet Owl	1072	10. Black-capped Chickadee	708

## Banding Locations:

Passerine banding activities this year were conducted primarily on Long Point at the Jones Preserve owned by the Cleveland Museum of Natural History and Morse Farm land controlled by the Morse Farm Trust at the Huntington Bank. Additional banding was conducted at The Kelleys Island State Park manager's house/feeders, in the North Quarry of the Kelleys Island State Park (owl banding), at the North Pond State Nature Preserve (owl and passerine banding), at bird nesting boxes on the island, Kyle Yoest's martin colony, and at the Scheele Preserve owned by the Cleveland Museum of Natural History. In 2021, 84 species and 3029 individual birds were banded in 71 days. We had 59 days of passerine (songbirds) banding and 38 nights of owl banding (32 in fall, 6 in spring). Overall, it was our second most intense banding year to date (2020 was by far) and we were again well rewarded for our efforts.

## Passerine Banding

Spring passerine (songbirds) banding on Long Point began on April 18 and ended May 28. There were 17 days of banding conducted (4 in April and 13 in May). Over the summer Dr. Marshall could not work his Kelleys Island project as Stone Lab had cancelled all classes again this year. However, we did band nest boxes for a day in June and Purple Martin colonies for 2 days in July. The fall passerine banding on Long Point began September 19 and ended November 16. Passerine banding was conducted on Long Point for 32 days (5 days in September, 14 days in October, and 14 days in November), five days at the North Pond SNP, and three days at the Kelleys Island State Park feeders. The passerine banding totals were 2900 individuals of 82 species. The spreadsheet for the daily banding records is very long, so is not included in this report. If it is wanted, I can email it. Just the totals for the year are included. The area of Long Point made up of the Cleveland Museum of Natural History's Jones Preserve and the Morse Farm have been our primary banding location since beginning in 1996. To date, that site has seen 18,990 individuals of 116 species banded.

As has now become the norm we banded the third week of April on Long Point. Nets were set up April 18<sup>th</sup> and we tried to band daily through April 23<sup>rd</sup>, banding 104 individuals of 14 species. Weather was a problem again this year and limited our banding for the week. We are thinking of eliminating this week of banding in the future. In May we banded 13 days, banding 1128 individuals of 54 species. There were several species which are uncommon or in high numbers which we banded in this spring. They included a Sharp-shinned Hawk (3/7), 65 Yellow-bellied Flycatchers, 34 Alder Flycatchers, 2 White-eyed Vireoes, a Fox Sparrow, 40 Tennessee Warblers, 3 Connecticut Warblers, 28 Mourning Warblers, 213 Magnolia Warblers, and 37 Indigo Buntings. For the spring season we banded a total of 20 species of warblers. For the spring season we banded 1232 individuals of 64 species.

Over the summer we returned to band birds in nest boxes that we have placed around the island. This occurred on June 21. We managed to band 37 young Tree Swallows. Hopefully in the future, we will increase the number of nest boxes around the island. We returned again on July 10<sup>th</sup> to band young Purple Martins at one of the colonies. This colony is at the residence of Jeri & Kyle Yoest. Due to problems with one of the boxes early in the season, we only managed to band 50 young martins.

As has also become routine we banded the third week of September (from the 19<sup>th</sup> through the 24<sup>th</sup>) on Long Point. For the week we banded 442 individuals of 41 species. Highlights included an Alder Flycatcher, 2 Philadelphia Vireoes, 1 Brown Creeper, 3 Winter Wrens, a Wood Thrush, and 19 species of warblers. We returned to Long Point on October 14<sup>th</sup> and banded for another 33 days, taking the nets down on Long Point November 16. We then did some songbird banding on the trail of the North Pond SNP and a day at the Kelleys Island State park. Over that time period we banded an additional 1582 individuals of 64 species. Highlights included a Sharp-shinned Hawk on the last day, 2 Red-breasted Nuthatches, 40 Brown Creepers, 364 Golden-crowned Kinglets, 129 Ruby-crowned Kinglets and a Cedar Waxwing. We banded 3281 individuals of 81 species on Long Point this year. This brings the **total number of birds banded on Long Point to 18,990 individuals of 116 species.**

## Owl Banding Research

2021 owl banding research began in March. After a record year in 2020 with 174 Northern Saw-whet Owls being banded and having 5 foreign recaptures, we want to see if and how many of these birds might spend the winter on Kelleys Island. We have found them wintering before. So the first week of March we setup the nets for three nights. We captured 5 owls, banded 2 and 3 were recaptures from the fall of 2020. We returned the third week of March and tried for 2 nights. We captured 3 owls, banded 2 and one was a recapture from the fall of 2020. So some owls were spending the winter on the island. It is my belief that the saw-whets begin to head north in early to mid-March. We are looking into putting radio tags on some of the owls in the future. The island has a MOTUS tower at the State Park which is designed to pick up signals from the tags and it would give us a better idea of the owls staying and how long they stay.

The fall owl banding began at the Scheele Preserve, Kelleys Island State park – North Loop, and North Pond State Nature Preserve on October 14 and continued through December 19. We attempted to band owls on 32 nights (13 nights in October, 15 nights in November, and 4 nights in December). The continued addition of nets at the North Pond SNP trail and along the North Loop trail at the state park again proved to be very productive. For the fall of 2021 we banded 122 Northern Saw-whet Owls and three Eastern Screech-Owls. We recaptured three foreign banded Northern Saw-whet Owls, but recaptured 19 Northern Saw-whet Owls which we had previously banded this fall and we recaptured three of our previously banded Eastern Screech-Owls. The fall 2021 migration of saw-whets was expected to be below normal due to the normal cycle with saw-whets. For most of eastern North American and Ohio this was true. But Kelleys Island was not. In Ohio, 218 saw-whets were banded during the fall of 2021 but we banded 122 of them. A few stations were not run due to the continuing pandemic. In addition, we lost one of our longtime owl banders, Jim Coffman to his untimely death in April. Our age and sex ratio was what would normally be expected during a down year. Most years 80% of our captured owls are young and 20% are adults. In **2020**, 92% were hatch-year birds, 3% were second-year birds, 0.5% were after-hatch year birds, and 4.5% were after-second year birds. 78% of our banded owls were female, 4% were males, and 18% were undetermined. This year **2021**, 60% were hatch-year, 30% were second-year, 5% were after-hatch year, and 5% were after-second year birds. The sex ratios were 66% female, 9% male, and 25% undetermined.

One other first happened during the 2021 owl banding season. On November 16, we recaptured an owl with band number 1124-03238. It was a second-year unknown sex individual. We had banded her on November 12, 2020 as a hatch-year female. This is the first time in our 19 years we have recaptured one of our banded owls in a subsequent season. Saw-whets do not generally show migration site fidelity.

Our ninth annual Kelleys Island Owl Festival with the Kelleys Island Audubon Club and the Kelleys Island Field Station over the weekend of November 5-7, 2020 was a go with some COVID-19 restrictions. However 285 people showed up to view the banding and listen to talks. Dr. Kelly Williams, Ohio University and longtime saw-whet bander was the featured speaker. Her talk on the special ears of saw-whets was very well received. We banded 17 Northern Saw-whets over the three nights. In addition we recaptured five Northern Saw-whets and two Eastern Screech-Owls. Four of the saw-whets were banded by us earlier in the fall but one was banded near Fergus, Ontario earlier in October. Of the two screech-owls, one was banded in 2018 and the other in 2020. The 10<sup>th</sup> Annual Kelleys Island Owl Festival is scheduled for November 4-6, 2022.

On a side note, the nights of November 3 and 4 were off the charts and totally unexplainable... On the 3<sup>rd</sup> we captured 35 saw-whets (banded 29 and a record night on Kelleys). But the record was very short lived, as on the 4<sup>th</sup> we banded 40 saw-whets! 57% of the saw-whets banded this year were banded on these two nights. I have always said, if you want to see saw-whet owls, come to Kelleys island the 1<sup>st</sup> week of November.

## Banding Highlights:

Banding highlights for 2021 do not include any new species to the island. Uncommonly banded species included: 2 Sharp-shinned Hawk, 2 White-eyed Vireos, 3 Fox Sparrows, a Northern Waterthrush, 4 Orange-crowned Warblers, and 3 Connecticut Warbler. Twenty species were banded in record high numbers and another 4 species tied their high number. Perhaps the biggest banding highlight was a Northern Saw-whet Owl

on October 22. It was the 100,000<sup>th</sup> bird that I have banded since February of 1971. See the Kelleys Island Banding Totals 2021 page for all the banded individuals.

## **Recaptures:**

In 2021, we handled 3,388 individual birds; 3,029 birds were banded, 328 birds recaptured, 27 birds escaped or were released before banding, and 4 casualties. One of the major reasons for banding birds is for the purpose of recapturing them. Recaptures tell us things like how long they may live, migration routes, migration site fidelity, and breeding site fidelity. The 328 recaptured birds represent 243 individuals of 31 species. Of this year's recaptures, 39 individuals were recaptured twice during the year, 10 were recaptured three times, 3 were recaptured four times, and 2 were recaptured five times. Our oldest recapture was a Chipping Sparrow on May 16 originally banded May 15, 2013 as an SY-F making it a minimum of 9 years old. Next an Indigo Bunting which was a minimum of 6 years old. Then was a Red-winged Blackbird at 5 years old and two Black-capped Chickadees at 5 years old. Of the recaptures this year, 1 was from 2013, 2 were from 2016, 2 were from 2017, 13 were from 2018, 8 from 2019, 41 from 2020, and the rest (176 individuals) from earlier this year.

In addition we recaptured individuals which were not banded by us on Kelleys Island. Three of the Northern Saw-whet Owls we captured were banded elsewhere. Two individuals were banded near Fergus, Ontario (west of Toronto), one earlier in the fall and one in the fall of 2020. Another was banded earlier in the fall near Hilliardton, Ontario. In addition we recaptured several songbirds that were banded off the island. However, no information was available at the time of this report. They were a second-year female Baltimore Oriole on May 20. And a hatch-year female Golden-crowned Kinglet on November 1.

Three of the Northern Saw-whet Owls we banded this fall were recaptured elsewhere. Two were recaptured on Pelee Island 14 days after we banded them. This was an example of an uncommon reverse migration but we seem to be seeing more of this. The other owl was recaptured in Union County, Ohio just west of Columbus 19 days after we banded it. In addition we received reports on three of our previously banded owls. On November 21, 2020, Pelee Island recaptured an owl we banded on October 28, 2020 (another example of reverse migration). On March 21, 2021 an owl we banded on October 21, 2020 was recaptured near Mackinaw City, Michigan. And finally, an owl we banded on October 27, 2020 was recaptured on October 28, 2021 near Lowville, Ontario. With the increase in saw-whet banding stations in Ohio we are beginning to see a better picture of their movements during migration.

## **Audubon Christmas Bird Count:**

On December 19, the 34<sup>th</sup> Lake Erie Islands Christmas Bird Count was conducted. This is one of the few counts which covers areas in two different countries, the United States and Canada. Groups on South Bass, Middle Bass, Kelleys, and Pelee Islands were out all day counting each species of bird and individuals on each island. The count was first run in 1987 and has been run each December since except for 1994. John Pogacnik has been the compiler and all the data is stored by the National Audubon Society. Over the 34 years of this count we have averaged 73 species of birds and 27,731 individuals. The highest species count was 92 species in 2016 and the lowest count was 47 species in 1990. The highest count of individuals was 104,553 in 1992 and the lowest count was 4930 in 1991.

This year the groups observed 73 species and 19,803 individuals. The 73 species is the 34 year average of species observed and below the 33 year average of 27,731 individuals. Unusual species observed this year were: Mute Swan (6<sup>th</sup>), Trumpeter Swan (2<sup>nd</sup>), Green-winged Teal (6<sup>th</sup>), Red-necked Grebe (2<sup>nd</sup>), Merlin (6<sup>th</sup>), and Eastern Phoebe (5<sup>th</sup>).

The pages which follow this summary list totals, raw data from all banding and survey days including birds banded, recapture data, compilations of yearly banding data, Christmas Bird Count data, and selected photographs. Normally, I also include daily banding data with this report but with 71 days of daily banding that would add 50 extra pages. That information can be supplied electronically for those who request it.



Special thanks to Paula Bartlett, Alexi Panehal, and Chris Ashley for going above and beyond in helping out in another unusual year and making much of another outstanding year possible.

### **2021 Volunteers:**

<b>Paula Bartlett</b>	<b>Chris Ashley</b>	<b>Alex Panehal</b>	<b>Emily Beal</b>	<b>Ed Toll</b>
<b>Tyler McClain</b>	<b>Mariah Sherer</b>	<b>Sandy Teliak</b>	<b>Steve Henthorne</b>	
<b>Patti Wainwright Haley</b>		<b>Shane &amp; Laura Roberts</b>		

**H. Thomas Bartlett**

**Federal Bird Banding Permit # 21624**

**Ohio Division of Wildlife Animal Permit # 20-164 and 24-039**

**Ohio Division of Natural Areas and Preserves Permit # RP 2021-04**

**Cleveland Museum of Natural History Natural Areas Access Permit**

**Kelleys Island State Park Research Permit**

**Kelleys Island Private Lands Permit – Morse Farm Trust**

**Kelleys Island Private Lands Permit – Pat & Lori Hayes**

## **Partners**



## 2021 Photographic Highlights

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### Unusual Sightings



**A March Sharp-shinned Hawk**



**A November Sharp-shinned Hawk**



**Connecticut Warbler, male Mourning Warbler, and female Mourning warbler**



**Herring and Great Black-backed Gulls**



## 2021 Photographic Highlights

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**Kevin Ertley, Morse Farms Ground keeper**



**The (now) regular wintering Turkey Vultures**



**Chris Ashley, Paula Bartlett, & 1 of the 40  
Saw-whets banded November 4**



**A rare young Rock Pigeon in December**



**Bret surfing in March !!!**



**female Cedar Waxwing**



## 2021 Photographic Highlights

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**Purple Martin Banding and helpers  
Hosts - Kyle & Jeri Yoest**



**Purple Martin Banding and helpers**



**Kelley's Island School field Trip**



**Laura with TWO hands full of birds**



# Kelleys Island Banding Totals 2021

19	Ruby-throated Hummingbird – 2006*	4	American Tree Sparrow – 2010
2	Sharp-shinned Hawk – 2004	5	Chipping Sparrow – 1999
7	Eastern Screech-Owl – 1998	2	Field Sparrow – 2001
126	Northern Saw-whet Owl – 2003	3	Fox Sparrow – 2014
5	Red-bellied Woodpecker – 1999	24	Song Sparrow – 2005
16	Downy Woodpecker – 1996	13	Lincoln's Sparrow - 1996
1	Northern Flicker (Yellow-shafted) – 2003	15	Swamp Sparrow – 1997
11	Eastern Wood-Pewee – 1996	162	White-throated Sparrow – 1997
66	Yellow-bellied Flycatcher – 1996	2	White-crowned Sparrow (Eastern) – 1997
2	Acadian Flycatcher – 1996	85	Dark-eyed Junco (Slate-colored) – 1997
35	Alder Flycatcher – 2005	4	Orchard Oriole – 1996
25	“Trail’s” Flycatcher – 1996	29	Baltimore Oriole - 1998
26	Least Flycatcher – 1996	3	Brown-headed Cowbird – 1984
3	Eastern Phoebe – 2002	25	Red-winged Blackbird – 1996
7	Great Crested Flycatcher – 2000	5	Common Grackle – 1996
2	Eastern Kingbird – 1996	25	Ovenbird – 1996
2	White-eyed Vireo – 1997	1	Northern Waterthrush - 1997
5	Blue-headed Vireo – 1997	5	Black-and-white Warbler - 1996
7	Philadelphia Vireo – 2005	58	Tennessee Warbler- 1996
22	Red-eyed Vireo – 1996	4	Orange-crowned Warbler -1997
14	Blue Jay – 1996	44	Nashville Warbler – 1996
50	Purple Martin – 2008	3	Connecticut Warbler- 2000
37	Tree Swallow – 1999	29	Mourning Warbler – 1996
65	Black-capped Chickadee – 1996	37	Common Yellowthroat – 1997
2	Red-breasted Nuthatch – 1996	54	American Redstart – 1996
4	White-breasted Nuthatch – 1999	4	Cape May Warbler - 1996
44	Brown Creeper – 1998	10	Northern Parula - 1996
31	House Wren – 1996	237	Magnolia Warbler – 1996
12	Winter Wren – 1998	50	Bay-breasted Warbler – 1996
1	Carolina Wren - 1999	21	Blackburnian Warbler – 2003
369	Golden-crowned Kinglet - 1998	16	Yellow Warbler – 1996
164	Ruby-crowned Kinglet – 1997	43	Chestnut-sided Warbler - 1996
10	Veery - 1996	159	Blackpoll Warbler – 1996
20	Gray-cheeked Thrush - 1996	20	Black-throated Blue Warbler -1997
92	Swainson's Thrush - 1996	1	Palm Warbler (“Western”) - 1996
121	Hermit Thrush - 1997	163	Yellow-rumped (“Myrtle”) Warbler - 1996
12	Wood Thrush - 1997	11	Black-throated Green Warbler - 1996
9	American Robin - 1997	52	Canada Warbler - 1996
27	Gray Catbird - 1996	27	Wilson's Warbler – 1996
1	Cedar Waxwing - 2000	29	Northern Cardinal – 1996
13	House Sparrow - 1998	3	Rose-breasted Grosbeak – 2002
14	House Finch - 1997	37	Indigo Bunting – 1998
8	American Goldfinch - 1996		

**84 Species**

**3,029 Total Individuals**

1<sup>st</sup> Column = Total individuals banded

2<sup>nd</sup> Column = Species / Subspecies

3<sup>rd</sup> Column = first year banded

**Red = Newly banded species this year**

**Bold = Uncommon/Rare species**

**Green = Record high number**

# Kelleys Island Banding Totals 2021

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**Banding Days = 71**

**Net hours = 3982.50**

**Birds banded per net hour = 0.69**

**Birds handled per net hour = 0.72**

**% Casualties per bird handled = 0.12**

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**Federal Permit # 21624**

**Recaptures = 328**

**Escapes/releases = 27**

**Casualties = 4**

**Total birds handled = 3388**

**Long Point = 2637 individuals of 77 species**

**Research Associate**

**Department of Ornithology**

**Cleveland Museum of Natural History**

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**Cleveland, Ohio 44106**



Blue = bird banded on Kelleys Island recaptured elsewhere						
Red = bird banded elsewhere and recaptured on Kelleys Island						
Date	Band Number	Species	Age/Sex	Banded	Age/Sex	MIN
11/21/2020	1124-04584	Northern Saw-whet Owl	HY-F	10/28/2020	HY-F	<1
	Pelee Island, Ontario, Canada					
3/21/2021	1124-04530	Northern Saw-whet Owl	SY-F	10/21/2020	HY-F	1
		Mackinaw City, MI				
4-Mar	1124-03240	Northern Saw-whet Owl	SY-F	11/12/2020	HY-F	<1
4-Mar	1124-03258	Northern Saw-whet Owl	SY-F	11/20/2020	HY-F	<1
4-Mar	1124-03268	Northern Saw-whet Owl	SY-F	11/23/2020	HY-F	<1
4-Mar	1124-03277	Northern Saw-whet Owl	SY-F	12/6/2020	HY-F	<1
5-Mar	1124-03240	Northern Saw-whet Owl	SY-F	11/12/2020	HY-F	<1
5-Mar	1124-03275	Northern Saw-whet Owl	SY-F	11/24/2020	HY-F	<1
6-Mar	1124-04583	Northern Saw-whet Owl	SY-F	10/28/2020	HY-F	<1
6-Mar	2780-96742	Black-capped Chickadee	AHY-U	9/20/2016	HY-U	5
6-Mar	2740-55596	Black-capped Chickadee	AHY-U	5/20/2018	SY-U	4
6-Mar	2870-10543	Black-capped Chickadee	AHY-U	11/19/2018	HY-U	3
6-Mar	2870-10558	Black-capped Chickadee	AHY-U	11/19/2018	HY-U	3
6-Mar	2870-10593	Black-capped Chickadee	AHY-U	12/7/2018	AHY-U	4
6-Mar	2870-23610	Black-capped Chickadee	AHY-U	12/16/2018	HY-U	3
6-Mar	2870-83373	Black-capped Chickadee	AHY-U	12/16/2018	HY-U	3
6-Mar	2880-92999	Black-capped Chickadee	AHY-U	11/18/2020	HY-U	1
6-Mar	2880-45559	Black-capped Chickadee	AHY-U	11/18/2020	AHY-U	2
6-Mar	2880-45577	Black-capped Chickadee	AHY-U	12/6/2020	HY-U	1
6-Mar	2880-45578	Black-capped Chickadee	SY-U	12/6/2020	HY-U	1
6-Mar	2880-45582	Black-capped Chickadee	AHY-U	12/10/2020	HY-U	1
6-Mar	2880-45583	Black-capped Chickadee	SY-U	12/10/2020	HY-U	1
6-Mar	2880-45584	Black-capped Chickadee	AHY-U	12/10/2020	HY-U	1
6-Mar	2880-92900	Red-breasted Nuthatch	AHY-F	11/5/2020	HY-F	1
6-Mar	1372-74570	Red-winged Blackbird	ASY-M	6/18/2018	SY-M	4
6-Mar	1372-74571	Red-winged Blackbird	ASY-M	6/18/2018	ASY-M	5
17-Mar	1124-03276	Northern Saw-whet Owl	SY-F	12/5/2020	HY-F	1
20-Mar	1412-19367	Red-bellied Woodpecker	ATY-M	11/7/2020	ASY-M	3
20-Mar	2821-24295	Downy Woodpecker	ATY-M	12/16/2018	HY-M	3
20-Mar	2780-96742	Black-capped Chickadee	AHY-U	9/20/2016	HY-U	5
20-Mar	2870-10584	Black-capped Chickadee	AHY-U	12/4/2018	AHY-U	4
20-Mar	2870-83373	Black-capped Chickadee	AHY-U	12/16/2018	HY-U	3
20-Mar	2880-92894	Black-capped Chickadee	AHY-U	11/5/2020	HY-U	1
20-Mar	2880-92895	Black-capped Chickadee	AHY-U	11/5/2020	HY-U	1
20-Mar	2870-83364	Black-capped Chickadee	AHY-U	11/25/2019	HY-U	2

Date	Band Number	Species	Age/Sex	Banded	Age/Sex	MIN
20-Mar	2870-83365	Black-capped Chickadee	AHY-U	11/25/2019	HY-U	2
20-Mar	2880-45560	Black-capped Chickadee	AHY-U	11/18/2020	AHY-U	2
20-Mar	2880-45589	Black-capped Chickadee	SY-U	3/7/2021	SY-U	1
20-Mar	2880-45594	Black-capped Chickadee	SY-U	3/7/2021	AHY-U	1
20-Mar	2490-00502	Black-capped Chickadee	SY-U	3/7/2021	SY-U	1
20-Mar	2880-92900	Red-breasted Nuthatch	AHY-F	11/5/2020	HY-F	1
18-Apr	2740-55528	Black-capped Chickadee	AHY-U	11/12/2017	HY-U	4
18-Apr	2880-92655	Black-capped Chickadee	SY-U	10/14/2020	HY-U	1
19-Apr	2880-92812	Black-capped Chickadee	SY-U	10/21/2020	HY-U	1
22-Apr	2260-59844	Ruby-crowned Kinglet	AHY-M	4/19/2021	AHY-M	1
22-Apr	1372-74600	Red-winged Blackbird	ASY-M	5/24/2019	SY-M	3
23-Apr	2880-92812	Black-capped Chickadee	SY-U	10/21/2020	HY-U	1
23-Apr	2260-59854	Ruby-crowned Kinglet	AHY-M	4/22/2021	AHY-M	1
16-May	2490-00511	Black-capped Chickadee	AHY-U	4/18/2021	AHY-U	1
<b>16-May</b>	<b>2710-07292</b>	<b>Chipping Sparrow</b>	<b>AHY-F</b>	<b>5/15/2013</b>	<b>SY-F</b>	<b>9</b>
16-May	2870-83577	Yellow Warbler	ASY-F	5/19/2020	ASY-F	3
17-May	2490-00516	House Wren	AHY-U	5/16/2021	SY-U	1
17-May	2490-00517	House Wren	AHY-M	5/16/2021	AHY-U	1
17-May	2870-40289	Yellow Warbler	ASY-F	5/23/2019	SY-F	3
17-May	2870-83613	Yellow Warbler	AHY-F	5/23/2020	SY-F	2
17-May	2870-83615	Yellow Warbler	ASY-F	5/23/2020	SY-F	2
17-May	2451-52812	Northern Cardinal	AHY-F	11/6/2020	HY-F	1
17-May	2451-52822	Northern Cardinal	AHY-F	11/8/2020	HY-F	1
17-May	2451-52834	Northern Cardinal	AHY-M	5/16/2021	AHY-M	1
18-May	2870-83577	Yellow Warbler	ASY-F	5/19/2020	ASY-F	3
18-May	2891-40029	Baltimore Oriole	AHY-F	5/16/2021	SY-F	1
18-May	2451-52830	Northern Cardinal	AHY-M	4/23/2021	AHY-M	1
<b>18-May</b>	<b>2621-22080</b>	<b>Indigo Bunting</b>	<b>ASY-F</b>	<b>5/23/2016</b>	<b>SY-F</b>	<b>6</b>
18-May	2811-64572	Indigo Bunting	SY-M	5/16/2021	SY-M	1
19-May	2891-39716	Baltimore Oriole	ASY-F	5/17/2020	ASY-F	3
19-May	2891-39756	Baltimore Oriole	ASY-F	5/21/2020	SY-F	2
19-May	2891-40046	Red-winged Blackbird	ASY-F	5/18/2021	ASY-F	2
19-May	2870-83387	Yellow Warbler	ASY-M	5/16/2020	SY-M	2
19-May	2870-83556	Yellow Warbler	ASY-M	5/18/2020	SY-M	2
19-May	2870-83593	Yellow Warbler	ASY-M	5/17/2020	ASY-M	3
19-May	2451-52831	Northern Cardinal	AHY-M	5/16/2021	AHY-M	1

Date	Band Number	Species	Age/Sex	Banded	Age/Sex	MIN
20-May	2490-00516	House Wren	SY-U	5/16/2021	SY-U	1
20-May	2490-00546	House Wren	AHY-M	5/18/2021	AHY-M	1
<b>20-May</b>	<b>2731-96786</b>	<b>Baltimore Oriole</b>	<b>SY-F</b>			
20-May	2891-40025	Baltimore Oriole	AHY-F	5/16/2021	AHY-F	1
20-May	2891-40029	Baltimore Oriole	SY-F	5/16/2021	SY-F	1
20-May	2891-40030	Baltimore Oriole	SY-M	5/16/2021	SY-M	1
20-May	2891-40034	Baltimore Oriole	SY-M	5/17/2021	SY-M	1
20-May	2910-58619	Magnolia Warbler	ASY-F	5/19/2021	ASY-F	2
20-May	2910-58677	Magnolia Warbler	SY-F	5/19/2021	SY-F	1
20-May	2910-58719	Magnolia Warbler	AHY-F	5/19/2021	AHY-U	1
20-May	2910-58734	Magnolia Warbler	SY-F	5/19/2021	SY-F	1
20-May	2910-58775	Magnolia Warbler	ASY-M	5/19/2021	ASY-M	2
20-May	2910-58780	Magnolia Warbler	ASY-M	5/19/2021	ASY-M	2
20-May	2910-58756	Chestnut-sided Warbler	SY-M	5/19/2021	SY-M	1
20-May	2910-58591	Black-throated Blue Warbler	SY-F	5/18/2021	SY-F	1
20-May	2811-64600	Indigo Bunting	SY-F	5/19/2021	SY-F	1
24-May	2891-39776	Baltimore Oriole	ASY-M	5/24/2020	SY-M	2
24-May	2891-40030	Baltimore Oriole	SY-M	5/16/2021	SY-M	1
24-May	2891-40065	Baltimore Oriole	SY-F	5/21/2021	SY-F	1
24-May	2451-52812	Northern Cardinal	AHY-F	11/6/2020	HY-F	1
24-May	2451-52831	Northern Cardinal	AHY-M	5/16/2021	AHY-M	1
24-May	2451-52832	Northern Cardinal	AHY-M	5/16/2021	AHY-M	1
24-May	2451-52834	Northern Cardinal	AHY-M	5/16/2021	AHY-M	1
24-May	2451-52841	Northern Cardinal	AHY-F	5/18/2021	AHY-F	1
24-May	2811-93705	Indigo Bunting	SY-M	5/20/2021	SY-M	1
25-May	2490-00553	House Wren	SY-M	5/19/2021	SY-U	1
25-May	2890-17189	House Wren	AHY-M	5/24/2021	AHY-U	1
25-May	2731-06786	Baltimore Oriole	ASY-M	5/30/2019	SY-M	3
25-May	2891-40025	Baltimore Oriole	AHY-F	5/16/2021	AHY-F	1
25-May	2891-40068	Baltimore Oriole	ASY-M	5/21/2021	ASY-M	2
25-May	2811-64583	Indigo Bunting	SY-M	5/18/2021	SY-M	1
26-May	2490-00510	Black-capped Chickadee	SY-M	4/18/2021	SY-U	1
26-May	2490-00523	House Wren	SY-M	5/16/2021	AHY-U	1
26-May	2490-00541	House Wren	AHY-M	5/17/2021	AHY-M	1
26-May	2890-17178	House Wren	AHY-M	5/24/2021	AHY-M	1
26-May	2891-40025	Baltimore Oriole	SY-F	5/16/2021	AHY-F	1
26-May	2891-40065	Baltimore Oriole	SY-F	5/21/2021	SY-F	1
26-May	2831-94420	Brown-headed Cowbird	AHY-F	5/25/2021	AHY-F	1
26-May	2811-93705	Indigo Bunting	SY-M	5/20/2021	SY-M	1
27-May	2890-17189	House Wren	AHY-M	5/24/2021	AHY-U	1
27-May	2811-93736	Lincoln's Sparrow	SY-U	5/26/2021	SY-U	1
27-May	2811-64586	Indigo Bunting	SY-M	5/18/2021	SY-M	1



Date	Band Number	Species	Age/Sex	Banded	Age/Sex	MIN
20-Sep	2890-17275	Black-capped Chickadee	HY-U	9/19/2021	HY-U	<1
20-Sep	2831-94466	Gray-cheeked Thrush	HY-U	9/19/2021	HY-U	<1
20-Sep	2910-58990	Magnolia Warbler	HY-F	9/19/2021	HY-F	<1
21-Sep	2880-92655	Black-capped Chickadee	AHY-U	10/14/2020	HY-U	1
21-Sep	2890-97910	House Wren	HY-U	9/20/2021	HY-U	<1
21-Sep	2910-58990	Magnolia Warbler	HY-U	9/19/2021	HY-U	<1
21-Sep	2910-81226	Magnolia Warbler	HY-F	9/20/2021	HY-F	<1
21-Sep	2910-58996	Wilson's Warbler	AHY-M	9/19/2021	AHY-M	1
23-Sep	2870-40444	Black-capped Chickadee	AHY-U	10/14/2019	HY-U	2
23-Sep	2890-17273	Black-capped Chickadee	HY-U	9/19/2021	HY-U	<1
23-Sep	2890-97907	Black-capped Chickadee	HY-U	9/20/2021	HY-U	<1
23-Sep	2890-17269	Bay-breasted Warbler	AHY-F	9/19/2021	AHY-F	1
23-Sep	2890-17284	Blackpoll Warbler	HY-F	9/20/2021	HY-F	<1
23-Sep	2890-17288	Blackpoll Warbler	HY-F	9/20/2021	HY-U	<1
23-Sep	2890-17292	Blackpoll Warbler	AHY-M	9/20/2021	AHY-M	1
23-Sep	2890-97908	Blackpoll Warbler	HY-M	9/20/2021	HY-U	<1
23-Sep	2890-97921	Blackpoll Warbler	HY-F	9/20/2021	HY-M	<1
23-Sep	2890-97925	Blackpoll Warbler	AHY-M	9/21/2021	AHY-M	1
24-Sep	2831-94447	Downy Woodpecker	HY-M	9/19/2021	HY-U	<1
24-Sep	2910-81250	Least Flycatcher	HY-U	9/23/2021	HY-U	<1
24-Sep	2831-94430	Gray-cheeked Thrush	HY-U	9/19/2021	HY-U	<1
24-Sep	2831-94443	Gray-cheeked Thrush	HY-U	9/19/2021	HY-U	<1
24-Sep	2831-94486	Gray-cheeked Thrush	HY-U	9/23/2021	HY-U	<1
24-Sep	2831-94492	Gray-cheeked Thrush	HY-U	9/23/2021	HY-U	<1
24-Sep	2910-81226	Magnolia Warbler	HY-F	9/20/2021	HY-F	<1
24-Sep	2890-17277	Bay-breasted Warbler	AHY-M	9/19/2021	AHY-M	1
24-Sep	2890-97904	Blackpoll Warbler	HY-M	9/20/2021	HY-M	<1
24-Sep	2890-97928	Blackpoll Warbler	AHY-F	9/21/2021	AHY-F	1
24-Sep	2890-97931	Blackpoll Warbler	HY-M	9/23/2021	HY-M	<1
24-Sep	2890-97943	Blackpoll Warbler	HY-M	9/23/2021	HY-M	<1
14-Oct	1225-33030	Eastern Screech-Owl	SY-U	10/22/2020	HY-U	1
14-Oct	2890-97916	Black-capped Chickadee	HY-U	9/20/2021	HY-U	<1
14-Oct	2890-97957	Black-capped Chickadee	HY-U	9/23/2021	HY-U	<1
15-Oct	2890-97929	Black-capped Chickadee	HY-U	9/21/2021	HY-U	<1
16-Oct	2910-81323	Ruby-crowned Kinglet	HY-M	10/15/2021	HY-M	<1
17-Oct	2870-40444	Black-capped Chickadee	AHY-U	10/14/2019	HY-U	2
17-Oct	2890-17275	Black-capped Chickadee	HY-U	9/19/2021	HY-U	<1
17-Oct	2890-97906	Black-capped Chickadee	HY-U	9/20/2021	HY-U	<1
17-Oct	2890-97918	Black-capped Chickadee	HY-U	9/20/2021	HY-U	<1
17-Oct	2910-81318	Black-throated Blue Warbler	HY-F	10/14/2021	HY-F	<1

Date	Band Number	Species	Age/Sex	Banded	Age/Sex	MIN
18-Oct	2890-97929	Black-capped Chickadee	HY-U	9/21/2021	HY-U	<1
18-Oct	2910-81387	Golden-crowned Kinglet	AHY-M	10/17/2021	AHY-M	1
19-Oct	2890-17273	Black-capped Chickadee	HY-U	9/19/2021	HY-U	<1
19-Oct	2890-97929	Black-capped Chickadee	HY-U	9/21/2021	HY-U	<1
19-Oct	2890-97906	Black-capped Chickadee	HY-U	9/20/2021	HY-U	<1
19-Oct	2890-97918	Black-capped Chickadee	HY-U	9/20/2021	HY-U	<1
19-Oct	2910-81387	Golden-crowned Kinglet	AHY-M	10/17/2012	AHY-M	1
19-Oct	2970-02636	Golden-crowned Kinglet	HY-M	10/18/2021	HY-M	<1
20-Oct	2880-45456	Black-capped Chickadee	AHY-U	9/18/2020	HY-U	1
20-Oct	2890-98083	Black-capped Chickadee	HY-U	10/14/2021	HY-U	<1
20-Oct	2890-98085	Black-capped Chickadee	HY-U	10/15/2021	HY-U	<1
14-Oct	1225-33030	Eastern Screech-Owl	SY-U	10/22/2020	HY-U	1
22-Oct	2880-45456	Black-capped Chickadee	AHY-U	9/18/2020	HY-U	1
22-Oct	2880-92812	Black-capped Chickadee	AHY-U	10/21/2020	HY-U	1
22-Oct	2890-17274	Black-capped Chickadee	HY-U	9/19/2021	HY-U	<1
22-Oct	2890-97906	Black-capped Chickadee	HY-U	9/20/2021	HY-U	<1
22-Oct	2890-97929	Black-capped Chickadee	HY-U	9/21/2021	HY-U	<1
22-Oct	2890-98083	Black-capped Chickadee	HY-U	10/14/2021	HY-U	<1
22-Oct	2910-81315	Brown Creeper	U-U	10/14/2021	U-U	<1
22-Oct	2941-60052	Hermit Thrush	HY-U	10/20/2021	HY-U	<1
23-Oct	1124-03292	Northern Saw-whet Owl	HY-F	10/20/2021	HY-F	<1
23-Oct	2890-97906	Black-capped Chickadee	HY-U	9/20/2021	HY-U	<1
23-Oct	2440-14433	Black-capped Chickadee	HY-U	10/17/2021	HY-U	<1
23-Oct	2440-14482	Black-capped Chickadee	HY=U	10/23/2021	HY-U	<1
23-Oct	2970-02653	Brown Creeper	U-U	10/20/2021	U-U	<1
24-Oct	2941-60003	Downy Woodpecker	HY-M	9/24/2021	HY-U	<1
24-Oct	2880-45458	Black-capped Chickadee	AHY-U	9/18/2020	HY-U	1
24-Oct	2970-02711	Golden-crowned Kinglet	HY-F	10/23/2021	HY-F	<1
24-Oct	2970-02715	Golden-crowned Kinglet	HY-M	10/23/2021	HY-M	<1
24-Oct	2970-02726	Golden-crowned Kinglet	HY-M	10/23/2021	HY-M	<1
24-Oct	2970-22755	Golden-crowned Kinglet	HY-M	10/23/2021	HY-M	<1
24-Oct	2970-02676	Ruby-crowned Kinglet	HY-M	10/26/2021	HY-M	<1
24-Oct	2941-60060	Hermit Thrush	HY-U	10/22/2021	HY-U	<1
24-Oct	2440-14497	Yellow-rumped Warbler	HY-F	10/23/2021	HY-F	<1
<b>27-Oct</b>	<b>1124-04582</b>	<b>Northern Saw-whet Owl</b>	<b>SY-F</b>	<b>10/28/2020</b>	<b>HY-U</b>	<b>1</b>
		<b>Lowville, Ontario</b>				
27-Oct	2970-02753	Golden-crowned Kinglet	HY-F	10/23/2021	HY-F	<1
27-Oct	2970-02797	Golden-crowned Kinglet	HY-M	10/24/2021	HY-M	<1
27-Oct	2941-60060	Hermit Thrush	HY-U	10/22/2021	HY-U	<1
27-Oct	2941-60204	Hermit Thrush	HY-U	10/24/2021	HY-U	<1
27-Oct	2941-60212	Hermit Thrush	HY-U	10/24/2021	HY-U	<1

Date	Band Number	Species	Age/Sex	Banded	Age/Sex	MIN
27-Oct	2451-52844	Northern Cardinal	U-M	9/20/2021	HY-M	<1
28-Oct	2970-02826	Ruby-crowned Kinglet	AHY-M	10/27/2021	AHY-M	1
28-Oct	2970-02871	Golden-crowned Kinglet	AHY-M	10/27/2021	AHY-M	1
30-Oct	2890-98055	Black-capped Chickadee	HY-U	10/15/2021	HY-U	<1
30-Oct	2890-98083	Black-capped Chickadee	HY-U	10/14/2021	HY-U	<1
30-Oct	2970-02838	Golden-crowned Kinglet	HY-M	10/27/2021	HY-M	<1
30-Oct	2970-02863	Golden-crowned Kinglet	HY-M	10/27/2021	HY-M	<1
30-Oct	2970-02871	Golden-crowned Kinglet	HY-M	10/27/2021	HY-M	<1
30-Oct	2970-02875	Golden-crowned Kinglet	HY-M	10/27/2021	HY-M	<1
30-Oct	2970-02895	Golden-crowned Kinglet	HY-M	10/28/2021	HY-M	<1
30-Oct	2970-02676	Ruby-crowned Kinglet	HY-M	10/22/2021	HY-M	<1
30-Oct	2970-02893	Ruby-crowned Kinglet	HY-M	10/28/2021	HY-M	<1
30-Oct	2430-77719	Dark-eyed Junco	HY-M	10/28/2021	HY-M	<1
31-Oct	2941-60204	Hermit Thrush	HY-U	10/24/2021	HY-U	<1
31-Oct	2970-02837	Golden-crowned Kinglet	HY-F	10/27/2021	HY-F	<1
31-Oct	2970-06511	Golden-crowned Kinglet	AHY-M	10/30/2021	AHY-M	1
31-Oct	2941-60087	White-throated Sparrow	HY-U	10/23/2021	HY-U	<1
1-Nov	2880-45456	Black-capped Chickadee	AHY-U	9/18/2020	HY-U	1
1-Nov	2880-92655	Black-capped Chickadee	AHY-U	10/14/2020	HY-U	1
1-Nov	2890-97916	Black-capped Chickadee	HY-U	9/20/2021	HY-U	<1
1-Nov	2950-14315	Golden-crowned Kinglet	HY-F			<1
1-Nov	2970-02849	Golden-crowned Kinglet	HY-M	10/27/2021	HY-M	<1
1-Nov	2970-06565	Golden-crowned Kinglet	HY-M	10/30/2021	HY-M	<1
1-Nov	2970-06578	Golden-crowned Kinglet	HY-M	10/31/2021	HY-M	<1
1-Nov	2970-02796	Ruby-crowned Kinglet	HY-M	10/24/2021	HY-M	<1
1-Nov	2970-02887	Ruby-crowned Kinglet	HY-F	10/28/2021	HY-F	<1
1-Nov	2430-77711	Dark-eyed Junco	HY-F	10/28/2021	HY-F	<1
1-Nov	2440-14467	Yellow-rumped Warbler	AHY-M	10/23/2021	AHY-M	1
1-Nov	2440-14500	Yellow-rumped Warbler	AHY-M	10/23/2021	AHY-M	1
2-Nov	2870-40465	Black-capped Chickadee	AHY-U	10/14/2019	HY-U	2
2-Nov	2970-02844	Golden-crowned Kinglet	HY-M	10/27/2021	HY-M	<1
2-Nov	2970-06525	Golden-crowned Kinglet	HY-M	10/30/2021	HY-M	<1
3-Nov	1014-71574	Northern Saw-whet Owl	SY-F	10/11/2020	HY-F	1
		Fergus, Ontario				
3-Nov	1104-50347	Northern Saw-whet Owl	HY-F	9/29/2021	HY-U	<1
		Hilliardton, Ontario				
3-Nov	1124-03296	Northern Saw-whet Owl	SY-F	10/22/2021	SY-F	1
3-Nov	1124-21604	Northern Saw-whet Owl	AHY-F	11/22/2021	SY-F	1
3-Nov	1124-21601	Northern Saw-whet Owl	SY-F	10/22/2021	SY-F	1
3-Nov	2970-02683	Brown Creeper	U-U	10/22/2021	U-U	<1
3-Nov	2440-14410	Yellow-rumped Warbler	HY-F	10/17/2021	HY-F	<1



Date	Band Number	Species	Age/Sex	Banded	Age/Sex	MIN
3-Nov	2970-06525	Golden-crowned Kinglet	HY-M	10/30/2021	HY-M	<1
3-Nov	2430-77734	Dark-eyed Junco	HY-M	10/30/2021	HY-M	<1
4-Nov	1124-21627	Northern Saw-whet Owl	HY-F	11/3/2021	HY-F	<1
4-Nov	2890-17274	Black-capped Chickadee	HY-U	9/19/2021	HY-U	<1
4-Nov	2890-97907	Black-capped Chickadee	HY-U	9/20/2021	HY-U	<1
4-Nov	2890-97918	Black-capped Chickadee	HY-U	9/20/2021	HY-U	<1
4-Nov	2430-77714	Black-capped Chickadee	HY-U	10/25/2021	HY-U	<1
4-Nov	2970-06614	Brown Creeper	U-U	11/2/2021	U-U	<1
4-Nov	2870-06527	Golden-crowned Kinglet	HY-F	10/30/2021	HY-F	<1
4-Nov	2430-77760	Dark-eyed Junco	HY-F	11/1/2021	HY-U	<1
4-Nov	2430-77787	Dark-eyed Junco	HY-M	11/1/2021	HY-M	<1
<b>5-Nov</b>	<b>1104-33860</b>	<b>Northern Saw-whet Owl</b>	<b>ASY-U</b>	<b>10/23/2021</b>	<b>HY-U</b>	<b>2</b>
		<b>Fergus, Ontario</b>				
5-Nov	1124-21640	Northern Saw-whet Owl	AHY-F	11/3/2021	AHY-F	1
5-Nov	1124-21664	Northern Saw-whet Owl	ASY-U	11/4/2021	ASY-U	2
5-Nov	2890-97982	Black-capped Chickadee	HY-U	9/25/2021	HY-U	<1
5-Nov	2970-06595	Golden-crowned Kinglet	HY-F	11/1/2021	HY-F	<1
5-Nov	2430-77758	Dark-eyed Junco	AHY-M	11/1/2021	AHY-M	1
6-Nov	1115-23454	Eastern Screech-Owl	ASY-F	11/3/2018	AHY-U	4
6-Nov	1225-33032	Eastern Screech-Owl	AHY-F	11/7/2020	HY-U	1
6-Nov	1124-21654	Northern Saw-whet Owl	SY-F	11/4/2021	SY-F	1
6-Nov	1124-21683	Northern Saw-whet Owl	HY-F	11/5/2021	HY-F	<1
6-Nov	2840-82887	Black-capped Chickadee	AHY-U	10/28/2017	HY-U	4
6-Nov	2870-83317	Black-capped Chickadee	AHY-U	11/6/2019	AHY-U	3
6-Nov	2880-45458	Black-capped Chickadee	AHY-U	9/18/2020	HY-U	1
6-Nov	2890-17275	Black-capped Chickadee	HY-U	9/19/2021	HY-U	<1
6-Nov	2890-98085	Black-capped Chickadee	HY-U	10/15/2021	HY-U	<1
6-Nov	2440-14404	Black-capped Chickadee	HY-U	10/16/2021	HY-U	<1
6-Nov	2440-14433	Black-capped Chickadee	HY-U	10/17/2021	HY-U	<1
6-Nov	2970-06630	Golden-crowned Kinglet	AHY-M	11/1/2021	AHY-M	1
6-Nov	2970-06621	Golden-crowned Kinglet	HY-F	11/3/2021	HY-F	<1
6-Nov	2970-06623	Golden-crowned Kinglet	HY-F	11/3/2021	HY-F	<1
6-Nov	2430-77787	Yellow-rumped Warbler	HY-M	11/1/2021	HY-M	<1
6-Nov	2430-77799	Yellow-rumped Warbler	HY-M	11/1/2021	HY-M	<1
6-Nov	2940-09512	Yellow-rumped Warbler	HY-U	11/3/2021	HY-M	<1
7-Nov	2880-45456	Black-capped Chickadee	AHY-U	9/18/2020	HY-U	1
7-Nov	2890-97972	Black-capped Chickadee	HY-U	9/23/2021	HY-U	<1
7-Nov	2430-77744	Dark-eyed Junco	HY-F	10/31/2021	HY-F	<1
8-Nov	1124-21617	Northern Saw-whet Owl	HY-F	11/3/2021	HY-U	<1
8-Nov	1124-21644	Northern Saw-whet Owl	SY-F	11/4/2021	SY-F	1

Date	Band Number	Species	Age/Sex	Banded	Age/Sex	MIN
9-Nov	1124-21654	Northern Saw-whet Owl	SY-F	11/4/2021	SY-F	1
9-Nov	1124-21667	Northern Saw-whet Owl	SY-F	11/4/2021	SY-F	1
9-Nov	2430-77734	Dark-eyed Junco	HY-M	10/30/2021	HY-M	<1
9-Nov	2890-97929	Black-capped Chickadee	HY-U	9/21/2021	HY-U	<1
9-Nov	2940-09523	Dark-eyed Junco	HY-F	11/7/2021	HY-F	<1
9-Nov	2940-09524	Dark-eyed Junco	HY-F	11/7/2021	HY-F	<1
10-Nov	1124-21645	Northern Saw-whet Owl	SY-F	11/4/2021	SY-F	1
10-Nov	1124-21692	Northern Saw-whet Owl	SY-F	11/6/2021	SY-F	1
10-Nov	2870-40444	Black-capped Chickadee	AHY-U	10/14/2019	HY-U	2
10-Nov	2890-97906	Black-capped Chickadee	HY-U	9/20/2021	HY-U	<1
10-Nov	2890-98083	Black-capped Chickadee	HY-U	10/14/2021	HY-U	<1
10-Nov	2970-02683	Brown Creeper	AHY-U	10/22/2021	AHY-U	1
10-Nov	2970-06614	Brown Creeper	U-U	11/2/2021	U-U	<1
10-Nov	2970-06522	Golden-crowned Kinglet	AHY-F	10/30/2021	AHY-F	1
10-Nov	2941-60265	White-throated Sparrow	HY-U	11/9/2021	HY-U	<1
10-Nov	2940-09524	Dark-eyed Junco	HY-F	11/7/2021	HY-F	<1
11-Nov	2941-60263	Hermit Thrush	HY-U	11/7/2021	HY-U	<1
11-Nov	2451-52812	Northern Cardinal	AHY-F	11/6/2020	HY-F	1
15-Nov	2740-55528	Black-capped Chickadee	AHY-U	11/12/2017	HY-U	4
15-Nov	2870-10714	Black-capped Chickadee	AHY-U	10/17/2018	HY-U	3
15-Nov	2870-40444	Black-capped Chickadee	AHY-U	10/14/2019	HY-U	2
15-Nov	2890-17273	Black-capped Chickadee	HY-U	9/19/2021	HY-U	<1
15-Nov	2890-97916	Black-capped Chickadee	HY-U	9/20/2021	HY-U	<1
15-Nov	2940-09501	Black-capped Chickadee	HY-U	11/1/2021	HY-U	<1
15-Nov	2970-06643	Golden-crowned Kinglet	HY-M	11/9/2021	HY-M	<1
15-Nov	2941-60265	White-throated Sparrow	HY-U	11/9/2021	HY-U	<1
16-Nov	1124-03238	Northern Saw-whet Owl	SY-U	11/12/2020	HY-F	1
16-Nov	1124-21618	Northern Saw-whet Owl	HY-F	11/3/2021	HY-F	<1
16-Nov	2870-40465	Black-capped Chickadee	AHY-U	10/14/2019	HY-U	2
16-Nov	2870-83317	Black-capped Chickadee	AHY-U	11/6/2019	AHY-U	3
16-Nov	2490-00511	Black-capped Chickadee	AHY-U	4/18/2021	AHY-U	1
16-Nov	2890-17274	Black-capped Chickadee	HY-U	9/19/2021	HY-U	<1
16-Nov	2430-77714	Black-capped Chickadee	HY-U	10/28/2021	HY-U	<1
16-Nov	2970-06635	Winter Wren	AHY-U	11/5/2021	AHY-U	1
16-Nov	2970-06636	Golden-crowned Kinglet	HY-F	11/6/2021	HY-F	<1
16-Nov	2970-06646	Golden-crowned Kinglet	HY-M	11/10/2021	HY-M	<1
16-Nov	2941-60267	White-throated Sparrow	HY-U	11/10/2021	HY-U	<1
16-Nov	2451-52843	Northern Cardinal	U-M	5/19/2021	AHY-M	1
17-Nov	2970-06522	Golden-crowned Kinglet	AHY-F	10/30/2021	AHY-F	1
Green = this is the 1st saw-whet we have recaptured in a season after initially banding it						
It seems that saw-whets rarely take the same route in migration						

Date	Band Number	Species	Age/Sex	Banded	Age/Sex	MIN
19-Nov	1124-21605	Northern Saw-whet Owl	HY-F	10/23/2021	HY-F	<1
19-Nov	1124-21682	Northern Saw-whet Owl		11/5/2021		
		Pelee Island, Ontario				
19-Nov	1124-21684	Northern Saw-whet Owl		11/5/2021		
		Pelee Island, Ontario				
19-Nov	1124-21693	Northern Saw-whet Owl	SY-F	11/6/2021	SY-F	1
23-Nov	1124-21670	Northern Saw-whet Owl	SY-F	11/4/2021	SY-F	1
		Union County, Ohio		Blake		
29-Nov	1124-31120	Northern Saw-whet Owl	ASY-F	11/19/2021	ASY-F	3
30-Nov	1124-21692	Northern Saw-whet Owl	SY-F	11/6/2021	SY-f	1
3-Dec	2870-10544	Black-capped Chickadee	AHY-U	11/19/2018	AHY-U	4
3-Dec	2870-83365	Black-capped Chickadee	AHY-U	11/25/2019	HY-U	2
10-Dec	1124-21667	Northern Saw-whet Owl	SY-F	11/4/2021	SY-F	1
10-Dec	2461-14261	Downy Woodpecker	SY-F	12/3/2021	SY-F	1
10-Dec	2940-09542	Black-capped Chickadee	HY-U	11/19/2021	HY-U	<1
12-Dec	1124-21693	Northern Saw-whet Owl	SY-F	11/6/2021	SY-F	1
12-Dec	2870-83364	Black-capped Chickadee	AHY-U	11/25/2019	HY-U	2
12-Dec	2870-83365	Black-capped Chickadee	AHY-U	11/25/2019	HY-U	2
19-Dec	1124-31119	Northern Saw-whet Owl	HY-F	11/16/2021	HY-F	<1



# Kelley's Island Banding Totals 1996-2021

6	Mourning Dove – 2002	1901	Golden-crowned Kinglet - 1998
9	Yellow-billed Cuckoo – 2004	1207	Ruby-crowned Kinglet – 1997
7	Black-billed Cuckoo – 1996	5	Eastern Bluebird - 2019
<b>1</b>	<b>Chimney Swift - 2019</b>	112	Veery - 1996
<b>2</b>	<b>Eastern Whip-poor-will – 2018</b>	356	Gray-cheeked Thrush - 1996
<b>1</b>	<b>Chuck-will's-widow – 2020</b>	880	Swainson's Thrush - 1996
216	Ruby-throated Hummingbird – 2006*	980	Hermit Thrush - 1997
<b>1</b>	<b>Killdeer – 2017</b>	50	Wood Thrush - 1997
5	American Woodcock – 2010	227	American Robin - 1997
12	Sharp-shinned Hawk – 2004	295	Gray Catbird - 1996
4	Cooper's Hawk- 2005	20	Brown Thrasher - 2010
35	Eastern Screech-Owl – 1998	18	European Starling - 1997
1072	Northern Saw-whet Owl – 2003	61	Cedar Waxwing - 2000
13	Red-bellied Woodpecker – 1999	488	House Sparrow - 1998
9	Yellow-bellied Sapsucker – 2007	102	House Finch - 1997
133	Downy Woodpecker – 1996	12	Purple Finch - 1996
20	Northern Flicker (Yellow-shafted) – 2003	<b>2</b>	<b>Common Redpoll - 2020</b>
130	Eastern Wood-Pewee – 1996	<b>1</b>	<b>White-winged Crossbill– 2012</b>
340	Yellow-bellied Flycatcher – 1996	256	Pine Siskin - 1996
20	Acadian Flycatcher – 1996	1111	American Goldfinch - 1996
76	Alder Flycatcher – 2005	6	Eastern Towhee – 2016
44	Willow Flycatcher – 2004	29	American Tree Sparrow –2010
299	"Trail's" Flycatcher – 1996	84	Chipping Sparrow – 1999
<b>1</b>	<b>Empidonax species? – 2019</b>	<b>1</b>	<b>Clay-colored Sparrow - 2009</b>
276	Least Flycatcher – 1996	36	Field Sparrow –2001
23	Eastern Phoebe – 2002	<b>4</b>	<b>Savannah Sparrow – 2012</b>
47	Great Crested Flycatcher – 2000	<b>1</b>	<b>Grasshopper Sparrow - 2018</b>
<b>1</b>	<b>Western X Couch's Kingbird hybrid– 2016</b>	<b>1</b>	<b>LeConte's Sparrow – 2017</b>
14	Eastern Kingbird – 1996	<b>1</b>	<b>Nelson's Sparrow - 2018</b>
9	White-eyed Vireo – 1997	11	Fox Sparrow – 2014
47	Blue-headed Vireo – 1997	155	Song Sparrow – 2005
6	Warbling Vireo – 2013	138	Lincoln's Sparrow
26	Philadelphia Vireo – 2005	89	Swamp Sparrow – 1997
168	Red-eyed Vireo – 1996	669	White-throated Sparrow – 1997
135	Blue Jay – 1996	71	White-crowned Sparrow (Eastern) – 1997
696	Purple Martin – 2008	<b>1</b>	<b>"Gambel's" White-crowned Sparrow – 2020</b>
233	Tree Swallow – 1999	723	Dark-eyed Junco (Slate-colored) – 1997
1	Northern Rough-winged Swallow - 2015	<b>4</b>	<b>Yellow-breasted Chat – 1996</b>
117	Barn Swallow – 2002	42	Orchard Oriole – 1996
708	Black-capped Chickadee – 1996	262	Baltimore Oriole - 1998
71	Red-breasted Nuthatch – 1996	96	Brown-headed Cowbird – 1984
44	White-breasted Nuthatch – 1999	529	Red-winged Blackbird – 1996
395	Brown Creeper – 1998	395	Common Grackle – 1996
226	House Wren – 1996	241	Ovenbird – 1996
152	Winter Wren – 1998	15	Northern Waterthrush – 1997
<b>1</b>	<b>Sedge Wren – 2000</b>	<b>3</b>	<b>Golden-winged Warbler – 2002</b>
<b>3</b>	<b>Marsh Wren - 2017</b>	7	Blue-winged Warbler - 1996
67	Carolina Wren - 1999	84	Black-and-white Warbler - 1996
13	Blue-gray Gnatcatcher - 1999	129	Tennessee Warbler- 1996

# Kelleys Island Banding Totals 1996-2021

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17	Orange-crowned Warbler -1997	280	Yellow Warbler – 1996
210	Nashville Warbler – 1996	202	Chestnut-sided Warbler - 1996
12	Connecticut Warbler- 2000	412	Blackpoll Warbler – 1996
123	Mourning Warbler – 1996	135	Black-throated Blue Warbler -1997
<b>2</b>	<b>Kentucky Warbler – 2004</b>	50	Palm Warbler (“Western”) - 1996
302	Common Yellowthroat – 1997	873	Yellow-rumped (“Myrtle”) Warbler - 1996
12	Hooded Warbler – 1996	102	Black-throated Green Warbler - 1996
412	American Redstart – 1996	249	Canada Warbler - 1996
29	Cape May Warbler - 1996	282	Wilson’s Warbler – 1996
<b>1</b>	<b>Cerulean Warbler– 2012</b>	<b>2</b>	<b>Summer Tanager– 2011</b>
32	Northern Parula - 1996	13	Scarlet Tanager - 1996
1282	Magnolia Warbler – 1996	385	Northern Cardinal – 1996
148	Bay-breasted Warbler – 1996	17	Rose-breasted Grosbeak – 2002
79	Blackburnian Warbler – 2003	231	Indigo Bunting – 1998

**122 Species**

1<sup>st</sup> Column = Total individuals banded

2<sup>nd</sup> Column = Species / Subspecies

3<sup>rd</sup> Column = first year banded

**Banding Days = 776**

**Net hours = 34,938.50**

**Birds banded per net hour = 0.62**

**Birds handled per net hour = 0.72**

**% Casualties per bird handled = 0.41 %**

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**Federal Permit # 21624**

**23,704 Total Individuals**

**Red = Newly banded species this year**

**Bold = Uncommon/Rare species**

**Recaptures = 2604**

**Escapes/releases = 670**

**Casualties = 110**

**Total birds handled = 27,088**

**Long Point = 18,990 individuals of 116 species**

**Research Associate**

**Department of Ornithology**

**Cleveland Museum of Natural History**

**1 Wade Oval, University Circle**

**Cleveland, Ohio 44106**

**H. Thomas Bartlett**  
**Federal Permit # 21624**

**Kelleys Island Birds Banded**  
**1996-2021**

Species	Species	Total	2021	2020	2019	2018	2017	2016	2015	2014	2013	2012	2011	2010	2009	2008	2007
Mourning Dove	1	6						1							1		
Yellow-billed Cuckoo	1	9			3		1			2				1		1	
Black-billed Cuckoo	1	7		1	3			1									
Chimney Swift }	1	1			1												
Whip-poor-will	1	2		1		1											
Chuck-will's-widow	1	1		1													
Ruby-throated Hummingbird	1	216	19	27	15	19	16	24	8	12	23	7	20	6	7	2	5
Killdeer }	1	1					1										
American Woodcock }	1	5		1							1	1		2			
Sharp-shinned Hawk	1	12	2	1	2	1	1	1	1				1				
Copper's Hawk	1	4		1				1	1								
Eastern Screech-Owl	1	35	3	7	4	4	1		2	1	1	3		1	3	2	
Northern Saw-whet Owl	1	1072	126	174	41	156	43	76	36	52	14	143	37	53	30	13	43
Red-bellied Woodpecker	1	13	5	3	2	1	1										
Yellow-bellied Sapsucker	1	9			5		1			2							1
Downy Woodpecker	1	133	16	12	13	21	9	10	4	11	8	5	5	1		6	3
Northern Flicker	1	20	1	2	5	2		2		1		1					
Eastern Wood-Pewee	1	130	11	12	28	35	12	4	8	3	2	1	1	3	1		2
Yellow-bellied Flycatcher	1	340	66	70	68	37	32	14	5	7	1	3	2		2		12
Acadian Flycatcher	1	20	2	5	1	1	3					1		1	2		
Alder Flycatcher	1	76	35	12	6	10	4	4	1							3	
Willow Flycatcher	1	44		18		3	15	4				1					2
Trail's" Flycatcher	**	299	25	48	82	27	38	23	3	14			2		2		6
Empidonax unknown?	*	1			1												
Least Flycatcher	1	276	26	78	19	15	15	17		13	7	6	8	10	6	5	6
Eastern Phoebe	1	23	3	1	1	3	3	4						1			3
Great Crested Flycatcher	1	47	7	8	5	3	2	5	3				3	3	2	1	
Eastern Kingbird	1	14	2	2		1		1		3	1		1		1		
Couch's X Western Kingbird Hybrid }	*	1						1									
White-eyed Vireo	1	9	2	4			1										
Blue-headed Vireo	1	47	5	11	3	2	2	3	3	1	1	2		2	1	1	1
Warbling Vireo	1	6		4						1	1						
Philadelphia Vireo	1	26	7	6			2	2	1	1	2	3					1
Red-eyed Vireo	1	168	22	31	36	8	10	13	8	6	8	6	3	1	1	1	2
Blue Jay	1	135	14	6	2		25	19	2	5	40	1	6	4		1	3
Purple Martin }	1	696	50	108				70		27	100	88	11	83	74	85	
Tree Swallow	1	233	37	63	14	1	20	28		6	2	2		2	6	26	
Northern Rough-winged Swallow	1	1							1								
Barn Swallow	1	117			4	2	7	14	10	16		7	29	27			
Black-capped Chickadee	1	708	65	53	25	51	46	22	47	48	23	31	26	28	30	17	16
Red-breasted Nuthatch	1	71	2	24	4	10		2			4	18	2	1			1
White-breasted Nuthatch	1	44	4	5	2	2	2	4	2	2		2	2	2	3		1
Brown Creeper	1	395	44	77	68	74	33	41	16	8	10	2	2	2	5		3
House Wren	1	226	31	32	29	24	15	14	7	10	7	7	2	6	3	4	2

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Kelleys Island Birds Banded  
1996-2021

2006	2005	2004	2003	2002	2001	2000	1999	1998	1997	1996	Total	Species
		1	1	2							6	Mourning Dove
		1									9	Yellow-billed Cuckoo
								1		1	7	Black-billed Cuckoo
											1	Chimney Swift
											2	Eastern Whip-poor-will
											1	Chuck-will's-widow
6											216	Ruby-throated Hummingbird
											1	Killdeer }
											5	American Woodcock }
	1	1									12	Sharp-shinned Hawk
	1										4	Copper's Hawk
	2							1			35	Eastern Screech-Owl
15	12	7	1								1072	Northern Saw-whet Owl
							1				13	Red-bellied Woodpecker
											9	Yellow-bellied Sapsucker
1	2		1	3					1	1	133	Downy Woodpecker
1	3		2								20	Northern Flicker
	2		1	1		2				1	130	Eastern Wood-Pewee
	4	1		4	1	9				2	340	Yellow-bellied Flycatcher
						1		1		2	20	Acadian Flycatcher
	1										76	Alder Flycatcher
		1									44	Willow Flycatcher
	1	1		2	2	12				11	299	Trail's" Flycatcher
											1	Empidonax unknown?
2	5		10	8	6	2	3	1	6	2	276	Least Flycatcher
2	1			1							23	Eastern Phoebe
		2	1			2					47	Great Crested Flycatcher
										2	14	Eastern Kingbird
											1	Couch's X Western Kingbird Hybrid }
								1	1		9	White-eyed Vireo
	6						1	1	1		47	Blue-headed Vireo
											6	Warbling Vireo
	1										26	Philadelphia Vireo
	1		2		2	1	2	1		3	168	Red-eyed Vireo
	3					2	1			1	135	Blue Jay
											696	Purple Martin }
					4	6	16				233	Tree Swallow
											1	Northern Rough-winged Swallow
				1							117	Barn Swallow
5	14	21	5	19	7	25	32	37	9	6	708	Black-capped Chickadee
					1		1			1	71	Red-breasted Nuthatch
	3	1	1		1		5				44	White-breasted Nuthatch
	6	1					1	2			395	Brown Creeper
	10	4	1	7	1	4	2	1	2	1	226	House Wren



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**Kelleys Island Birds Banded**  
**1996-2021**

Species	Species	Total		2020	2019	2018	2017	2016	2015	2014	2013	2012	2011	2010	2009	2008	2007
Winter Wren	1	152	12	51	25	8	5	15	8		7	1			5		2
Marsh Wren	1	3		2			1										
Sedge Wren	1	1															
Carolina Wren	1	67	1	14	9	7	7	8		1	7	3					
Blue-gray Gnatcatcher	1	13			5	1				4							
Golden-crowned Kinglet	1	1901	369	502	232	247	239	85	67	36	79	7					4
Ruby-crowned Kinglet	1	1207	164	364	181	132	174	55	16	19	38	6	1		4	4	8
Eastern Bluebird }	1	5		1	4												
Veery	1	112	10	12	12	3	4	14	3	11	1	4	2	4	5	3	
Gray-cheeked Thrush	1	356	20	23	27	22	50	41	11	43	11	10	6	6	7	8	2
Swainson's Thrush	1	880	92	114	91	63	92	93	31	71	29	26	15	12	14	21	13
Hermit Thrush	1	980	121	177	105	123	128	109	53	47	61	22	5		6		5
Wood Thrush	1	50	12	5	3	1	3	6		5	3	1	2	3	1		1
American Robin	1	227	9	15	10	26	13	14	3	18	8	4	14	5	6	10	17
Gray Catbird	1	295	27	38	15	24	33	22	1	6	17	3	12	29	13	7	3
Brown Thrasher	1	20		5		4		5		2	1		1	2			
European Starling	1	18		3	4	2	2	2									
Cedar Waxwing	1	61	1	7	1		42		1		4						1
House Sparrow }	1	488	13	26	15	29	6	21	21	16	12	50	11	100	50	19	10
House Finch	1	102	14	7	1	4			2	11	1		2	2		3	
Purple Finch	1	12		3		7										1	
White-winged Crossbill }	1	1										1					
Common Redpoll	1	2		2													
Pine Siskin	1	256		16		15			1	82		27		83		3	8
American Goldfinch	1	1111	8	51	8	114	9	10	14	104	8	71	43	228	10	30	32
Eastern Towhee	1	6		1	2	1	1	1									
American Tree Sparrow	1	29	4	2	2		4	4	5	3	1			4			
Chipping Sparrow	1	84	5	4	8	14	10	5		1	7	2	6	6	1		
Clay-colored Sparrow	1	1													1		
Field Sparrow	1	36	2	7	3	8	3	3		1	4						1
Savannah Sparrow	1	4		1				1								1	
Grasshopper Sparrow	1	1				1											
LeConte's Sparrow	1	1					1										
Nelson's Sparrow	1	1				1											
Fox Sparrow	1	11	3	3	2		1		1	1							
Song Sparrow	1	155	24	21	9	23	21	31	5	10	5		1		1	1	1
Lincoln's Sparrow	1	138	13	16	1	9	18	10	7	4	11	4	10	4	4	2	4
Swamp Sparrow	1	89	15	9	4	7	7	11	2	3	6	1	2	1	2	1	2
White-throated Sparrow	1	669	162	75	78	45	77	33	16	18	23	8	4	19	5	5	21
White-crowned Sparrow	1	71	2	8		4		5	1	1	3	5	1	4	10	6	2
"Gambel's" White-crowned Sparrow	*	1		1													
Dark-eyed Junco	1	723	85	87	74	48	72	57	54	45	24	8	71	30	6	3	8
Yellow-breasted Chat	1	4		1													
Orchard Oriole	1	42	4	4	1	8		2	2	2		1	4		1	1	3

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Kelleys Island Birds Banded  
1996-2021

2006	2005	2004	2003	2002	2001	2000	1999	1998	1997	1996	Total	Species
	5			1	1	2	3	1			152	Winter Wren
						1					3	Marsh Wren
											1	Sedge Wren
		3	1	5			1				67	Carolina Wren
	1			1			1				13	Blue-gray Gnatcatcher
2	1				17	1	4	9			1901	Golden-crowned Kinglet
3	2		4	2	16	4	3	6	1		1207	Ruby-crowned Kinglet
											5	Eastern Bluebird
	17	2					1	1	1	2	112	Veery
2	16	13	3	1	14	6	3	1	8	2	356	Gray-cheeked Thrush
1	22	16	7	5	5	17	3	5	12	10	880	Swainson's Thrush
	3				14				1		980	Hermit Thrush
	1		1						2		50	Wood Thrush
14	2	19	2	3	4	5	5		1		227	American Robin
3	10	2	6	2	3	3	4	2	7	3	295	Gray Catbird
											20	Brown Thrasher
1					1	1			2		18	European Starling
	2					2					61	Cedar Waxwing
32	1	23	2			12	18	1			488	House Sparrow }
2	2	5	9	1	5	2	24	4	1		102	House Finch
										1	12	Purple Finch
											1	White-winged Crossbill }
											2	Common Redpoll
	4	15	1							1	256	Pine Siskin
8	90	234	12	2	1	17	3	2		2	1111	American Goldfinch
											6	Eastern Towhee
											29	American Tree Sparrow
10	1					2	2				84	Chipping Sparrow
											1	Clay-colored Sparrow
1		1	1		1						36	Field Sparrow
							1				4	Savannah Sparrow
											1	LeConte's Sparrow
											1	LeConte's Sparrow
											1	LeConte's Sparrow
											11	Fox Sparrow
	2										155	Song Sparrow
1	7			1	1	1	1	2	6	1	138	Lincoln's Sparrow
	6			1	1		2	1	5		89	Swamp Sparrow
3	42		2	2	10	2	13	4	2		669	White-throated Sparrow
1	5		4		1	1	2		5		71	White-crowned Sparrow
											1	"Gambel's" White-crowned Sparrow
16	7	4	3		5	5	1	1	9		723	Dark-eyed Junco
									1	2	4	Yellow-breasted Chat
4						5					42	Orchard Oriole

**H. Thomas Bartlett**  
**Federal Permit # 21624**

## Kelleys Island Birds Banded 1996-2021

Species	Species	Total		2020	2019	2018	2017	2016	2015	2014	2013	2012	2011	2010	2009	2008	2007
Baltimore Oriole	1	262	29	33	20	31	16	21	6	16	16	8	19	5	5	6	5
Brown-headed Cowbird	1	96	3	2	8	5	10	7		6	2	2	17	2	7	6	3
Red-winged Blackbird	1	529	25	43	27	93	37	16	5	28	46	9	49	7	9	38	7
Common Grackle	1	395	5	29	55	45	21	9	2	47	22		21	38	2	34	24
Ovenbird	1	241	25	27	19	25	24	9	9	21	10	7	4	6	6	7	
Northern Waterthrush	1	15	1		1	1	2						1			3	
Blue-winged Warbler	1	7		2				1					1				
Golden-winged Warbler	1	3						1									
Black-and-white Warbler	1	84	5	15	5	2	8	5	1	7	5	2	2	5	2	2	
Tennessee Warbler	1	129	58	21	2	5	11	6	2	5	1	4	3		2	2	
Orange-crowned Warbler	1	17	4	3		2	2						1	1		1	1
Nashville Warbler	1	210	44	48	6	4	9	7	3	12	14	5	4	5	5	18	1
Connecticut Warbler	1	12	3	2	3	1			1			1					
Mourning Warbler	1	123	29	18	18	17	7	6	1	6		9			1	1	2
Kentucky Warbler	1	2															
Common Yellowthroat	1	302	37	40	30	25	30	26	11	11	30	7	9	4	8		2
Hooded Warbler	1	12		6							1	1			2		
American Redstart	1	412	54	48	69	26	45	19	5	18	13	5	3	3	21	11	5
Cape May Warbler	1	29	4	4	4	4	4					1	2			1	
Cerulean Warbler	1	1										1					
Northern Parula	1	32	10	9	1		2	1	1		1	2		1	1	1	1
Magnolia Warbler	1	1282	237	158	94	58	197	79	18	59	31	40	20	21	58	21	12
Bay-breasted Warbler	1	148	50	16	23	8	21	7		7	3	1	4			2	
Blackburnian Warbler	1	79	21	17	5	2	9	15	3	2	1					3	
Yellow Warbler	1	280	16	62	21	17	15	10	9	13	17	4	15	2	2	7	6
Chestnut-sided Warbler	1	202	43	28	11	6	27	19		10	7	7	5	3	3	4	2
Blackpoll Warbler	1	412	159	37	12	17	25	58	4	9	17	27	17	2	1	8	1
Black-throated Blue Warbler	1	135	20	19	14	4	16	7	3	8	3	6	5	1	5	3	2
Palm Warbler (Western)	1	50	1	11	2	2	6	2		3	2		4			6	
Yellow-rumped Warbler (Myrtle)	1	837	163	77	115	98	73	6	11	33	70	33	1	1	2	27	
Black-throated Green Warbler	1	102	11	15	5	3	9	12	2	5	1	1	3	5	4	5	1
Canada Warbler	1	249	52	34	44	11	30	11	1	8	2	5	3	1	8	1	2
Wilson's Warbler	1	282	27	43	30	26	41	36	10	3	4	1	6		10	1	3
Summer Tanager	1	2		1									1				
Scarlet Tanager	1	13		2	2		1			2		1					
Northern Cardinal	1	385	29	60	26	42	15	33	11	25	6	10	7	17	17	18	4
Rose-breasted Grosbeak	1	17	3	1	1	1				1			5			2	
Indigo Bunting	1	231	37	25	24	23	19	17	5	15	3	4	11	5	7	6	6
Species	122	122	84	104	88	87	85	85	65	78	71	73	68	61	63	63	59
Total birds banded		23704	3029	3543	2121	2119	2116	1534	618	1197	955	810	619	917	520	542	351

**H. Thomas Bartlett**  
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## Kelleys Island Birds Banded

## 1996-2021

[illegible]



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## Kelleys Island Birds Banded 1996-2021

[illegible]

**H. Thomas Bartlett**  
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## Kelleys Island Birds Banded 1996-2021

[illegible]

2021-22

Lake Erie Islands  
Christmas Bird Count

	Species	Total	Kelleys	South Bass	Middle Bass	Pelee
1	Canada Goose	449	159	130	40	120
1	Mute Swan	6	2			4
1	Trumpeter Swan	2				2
	Swan species?	1				1
1	Gadwall	148	4			144
1	American Black Duck	8				8
1	Mallard	687	63	56	18	550
1	Northern Pintail	2	1			1
1	Green-Winged Teal	5				5
	Duck species?	130				130
1	Ring-necked Duck	4				4
1	Greater Scaup	1079	573	3		503
1	Lesser Scaup	387	374	9	1	3
	Scaup species?	5931	500	31		5400
1	Bufflehead	1390	562	443	75	310
1	Common Goldeneye	591	379	53	27	132
1	Hooded Merganser	3	2			1
1	Common Merganser	12			12	
1	Red-breasted Merganser	2924	1661	481	125	657
	Diving duck species?	287	250	37		
1	Ring-necked Pheasant	4				4
1	Wild Turkey	241	1			240
1	Horned Grebe	82	54	4	5	19
1	Red-necked Grebe	1	1			
1	Mourning Dove	173	5	33		135
1	Ring-billed Gull	479	370	39		70
1	Herring Gull	340	191	96	12	41
	"Great Lakes" Gull hybrid	1	1			
CW	Iceland Gull "Thayer's"	CW	CW			
1	Great Black-backed Gull	7	4	1	1	1
	Gull species?	52		12		40
1	Common Loon	4	4			
1	Double-crested Cormorant	6		5		1
1	Great Blue Heron	1		1		
1	Turkey Vulture	5	5			
CW	Osprey	CW		CW		
1	Bald Eagle	28	8	4	6	10
1	Sharp-shinned Hawk	5		4	1	
1	Cooper's Hawk	11	6	1	1	3
1	Red-tailed Hawk	12	1	1	2	8
	Buteo species?	1				1
1	Eastern Screech-Owl	11	9			2
1	Great Horned Owl	20	8	5		7
1	Northern Saw-whet Owl	4	3			1
1	Belted Kingfisher	2		1	1	
1	Red-bellied Woodpecker	43	13	11	5	14

2021-22

**Lake Erie Islands  
Christmas Bird Count**

	<b>Species</b>	<b>Total</b>	<b>Kelleys</b>	<b>South Bass</b>	<b>Middle Bass</b>	<b>Pelee</b>
1	Yellow-bellied Sapsucker	5	2			3
1	Downy Woodpecker	132	29	45	11	47
1	<b>Hairy Woodpecker</b>	1			1	
1	Northern Flicker	76	22	8	5	41
1	Merlin	1	1			
1	<b>Eastern Phoebe</b>	1				1
1	Blue Jay	90	9	28	8	45
1	American Crow	141	131	9	1	
1	Horned Lark	2				2
1	Black-capped Chickadee	253	137	78	6	32
1	<b>Tufted Titmouse</b>	3		3		
1	Red-breasted Nuthatch	7	4	3		
1	White-breasted Nuthatch	35	1	18	1	15
1	Brown Creeper	18	7	1	5	5
1	Winter Wren	5			3	2
1	Carolina Wren	25	5	4	2	14
1	Golden-crowned Kinglet	41	15	21	5	
1	<b>Ruby-crowned Kinglet</b>	1	1			
1	Eastern Bluebird	27	6			21
1	Hermit Thrush	37	37			
1	American Robin	541	362	91	87	1
1	European Starling	873	349	232	250	42
1	Cedar Waxwing	217	205	3		9
1	House Sparrow	456	67	317	18	54
1	House Finch	257	84	98	35	40
1	Purple Finch	8	8			
1	American Goldfinch	90	17	41	4	28
1	American Tree Sparrow	80	4			76
1	Song Sparrow	4			1	3
1	Swamp Sparrow	1				1
1	White-throated Sparrow	308	173	18	75	42
1	White-crowned Sparrow	2		1		1
1	Dark-eyed Junco	237	39	89	7	102
CW	Red-winged Blackbird	CW	CW			
1	Common Grackle	1			1	
1	Yellow-rumped Warbler	32	32	CW		
1	Northern Cardinal	216	78	81	28	29
		<b>Total</b>	<b>Kelleys</b>	<b>SBI</b>	<b>MBI</b>	<b>Pelee</b>
<b>73</b>	<b>Species</b>	<b>73</b>	54	<b>42</b>	<b>37</b>	<b>55</b>
	<b>Total</b>	<b>19803</b>	<b>7039</b>	<b>2650</b>	<b>886</b>	<b>9228</b>
	<b>Participants</b>	<b>17</b>	7	4	2	11



**2021-22**

**Lake Erie Islands  
Christmas Bird Count**

		<b>Total</b>	<b>Kelleys</b>	<b>South Bass</b>	<b>Middle Bass</b>	<b>Pelee</b>
	<b>Time</b>	<b>69.75</b>	20.5	18.5	5.75	25
	<b>Car</b>	<b>40.5</b>	13.5	7	5	15
	<b>Foot</b>	<b>29.25</b>	7	11.5	0.75	10
	<b>Miles</b>	<b>183.25</b>	<b>80</b>	<b>21</b>	<b>16.75</b>	<b>65.5</b>
	<b>Car</b>	<b>129.5</b>	68	1	16	44.5
	<b>Foot</b>	<b>53.75</b>	12	20	0.75	21
	<b>Feeders</b>					
	<b>Number</b>	<b>14</b>	1	13		
	<b>Time</b>	<b>45.5</b>	3	42.5		
	<b>Owling</b>					
	<b>Mileage</b>	<b>13</b>				
	<b>Time</b>	<b>3</b>				

Species	Species	LEI - USA	Kelleys	SBI	MBI	NBI	
		Total	Total	Total	Total	Total	
Mourning Dove	1	9	6		3		
Yellow-billed Cuckoo	1	15	9		3	3	
Black-billed Cuckoo	1	9	7	1		1	
<b>Chimney Swift</b>	1	2	1	1			
<b>Eastern Whip-poor-will</b>	1	3	2		1		
<b>Chuck-will's-widow</b>	1	1	1				
Ruby-throated Hummingbird	1	296	216	57	21	2	
<b>Sora</b>	1	1		1			
<b>Killdeer</b>	1	1	1				
American Woodcock	1	7	5		1	1	
Sharp-shinned Hawk	1	14	12	1	1		
Copper's Hawk	1	5	4		1		
Eastern Screech-Owl	1	49	35	7	7		
Northern Saw-whet Owl	1	1072	1072				
<b>Belted Kingfisher</b>	1	1			1		
<b>Red-headed Woodpecker</b>	1	1		1			
Red-bellied Woodpecker	1	34	13	14	7		
Yellow-bellied Sapsucker	1	12	9	2	1		
Downy Woodpecker	1	288	133	86	62	7	
Northern Flicker	1	44	20	7	16	1	
<b>Olive-sided Flycatcher</b>	1	1				1	
Eastern Wood-Pewee	1	141	130	2	8	1	
Yellow-bellied Flycatcher	1	367	340	9	14	4	
Acadian Flycatcher	1	22	20	2			
Alder Flycatcher	1	82	76	1		5	
Willow Flycatcher	1	49	44	2		3	
Trail's" Flycatcher		306	299	3		4	
Empidonax unknown?		1	1				
Least Flycatcher	1	335	276	50	9		
Eastern Phoebe	1	53	23	11	9	10	
Great Crested Flycatcher	1	52	47	2	3		
Eastern Kingbird	1	47	14	24	3	6	
<b>Couch's X Western Kingbird Hybrid</b>		1	1				
White-eyed Vireo	1	19	9	8	2		
<b>Yellow-throated Vireo</b>	1	3			3		
Blue-headed Vireo	1	89	47	18	24		
Warbling Vireo	1	40	6	25	8	1	
Philadelphia Vireo	1	33	26	1	6		
Red-eyed Vireo	1	213	168	15	27	3	
Blue Jay	1	351	135	98	118		
Purple Martin	1	2577	696	1875	6		
Tree Swallow	1	676	233	354	83	6	
Northern Rough-winged Swallow	1	29	1	28			
Barn Swallow	1	269	117	117	6	29	
Black-capped Chickadee	1	894	708	103	79	4	
<b>Tufted Titmouse</b>	1	1		1			

		LEI - USA	Kelleys	SBI	MBI	NBI	
		Total	Total	Total	Total	Total	
Red-breasted Nuthatch	1	166	71	49	46		
White-breasted Nuthatch	1	76	44	19	13		
Brown Creeper	1	412	395	3	14		
House Wren	1	402	226	101	73	2	
Winter Wren	1	186	152	2	32		
<b>Marsh Wren</b>	1	5	3	1	1		
<b>Sedge Wren</b>	1	1	1				
Carolina Wren	1	117	67	14	35	1	
Blue-gray Gnatcatcher	1	33	13	11	9		
Golden-crowned Kinglet	1	2041	1901	2	138		
Ruby-crowned Kinglet	1	1631	1207	189	235		
<b>Eastern Bluebird</b>	1	11	5		6		
Veery	1	167	112	47	8		
Gray-cheeked Thrush	1	626	356	108	162		
Swainson's Thrush	1	1621	880	401	340		
Hermit Thrush	1	1168	980	43	145		
Wood Thrush	1	86	50	24	12		
American Robin	1	1298	227	647	356	68	
Gray Catbird	1	542	295	189	49	9	
Brown Thrasher	1	51	20	13	18		
European Starling	1	132	18	18	31	65	
Cedar Waxwing	1	73	61	11	1		
House Sparrow	1	633	488	138	7		
House Finch	1	215	102	97	9	7	
Purple Finch	1	14	12	1	1		
<b>White-winged Crossbill</b>	1	1	1				
<b>Common Redpoll</b>	1	2	2				
Pine Siskin	1	256	256				
American Goldfinch	1	1256	1111	54	54	37	
Eastern Towhee	1	17	6	4	7		
American Tree Sparrow	1	29	29				
Chipping Sparrow	1	107	84	13	6	4	
<b>Clay-colored Sparrow</b>	1	2	1	1			
Field Sparrow	1	59	36	15	8		
Savannah Sparrow	1	11	4	1	6		
<b>Grasshopper Sparrow</b>	1	1	1				
<b>LeConte's Sparrow</b>	1	1	1				
<b>Nelson's Sparrow</b>	1	2	1		1		
Fox Sparrow	1	11	11				
Song Sparrow	1	184	155	8	20	1	
Lincoln's Sparrow	1	210	138	58	14		
Swamp Sparrow	1	174	89	32	53		
White-throated Sparrow	1	1343	669	339	335		
White-crowned Sparrow	1	126	71	45	10		
<b>"Gambel's" White-crowned Sparrow</b>		1	1				
Dark-eyed Junco	1	753	723	17	13		

		LEI - USA	Kelleys	SBI	MBI	NBI	
		Total	Total	Total	Total	Total	
Yellow-breasted Chat	1	8	4	3	1		
Orchard Oriole	1	77	42	20	11	4	
Baltimore Oriole	1	568	262	198	73	35	
Brown-headed Cowbird	1	242	96	87	44	15	
Red-winged Blackbird	1	3924	529	2183	776	436	
Common Grackle	1	950	395	443	110	2	
Ovenbird	1	410	241	95	74		
<b>Louisiana Waterthrush</b>	1	1			1		
Northern Waterthrush	1	77	15	32	30		
Blue-winged Warbler	1	24	7	11	6		
Golden-winged Warbler	1	7	3	2	2		
<b>BWWA X GWWA Hybrid</b>		1		1			
Black-and-white Warbler	1	156	84	41	31		
<b>Prothonotary Warbler</b>	1	1			1		
Tennessee Warbler	1	171	129	9	32	1	
Orange-crowned Warbler	1	28	17	6	5		
Nashville Warbler	1	415	210	104	101		
Connecticut Warbler	1	21	12	2	7		
Mourning Warbler	1	132	123	5	2	2	
<b>Kentucky Warbler</b>	1	5	2	3			
Common Yellowthroat	1	425	302	78	45		
Hooded Warbler	1	22	12	5	5		
American Redstart	1	509	412	46	49	2	
Cape May Warbler	1	54	29	13	12		
<b>Cerulean Warbler</b>	1	2	1		1		
Northern Parula	1	41	32	6	3		
Magnolia Warbler	1	1448	1282	103	60	3	
Bay-breasted Warbler	1	208	148	24	36		
Blackburnian Warbler	1	94	79	9	6		
Yellow Warbler	1	706	280	248	89	89	
Chestnut-sided Warbler	1	230	202	24	4		
Blackpoll Warbler	1	784	412	119	252	1	
Black-throated Blue Warbler	1	247	135	51	61		
Palm Warbler (Western)	1	208	50	80	78		
<b>Pine Warbler</b>	1	2			2		
Yellow-rumped Warbler (Myrtle)	1	1202	837	171	194		
Black-throated Green Warbler	1	155	102	30	23		
Canada Warbler	1	255	249	3	2	1	
Wilson's Warbler	1	296	282	8	5	1	
<b>Summer Tanager</b>	1	2	2				
Scarlet Tanager	1	18	13		5		
Northern Cardinal	1	714	385	233	92	4	
Rose-breasted Grosbeak	1	42	17	22	3		
Indigo Bunting	1	288	231	20	12	25	
<b>Dickcissel</b>	1	1				1	



		LEI - USA	Kelleys	SBI	MBI	NBI	
		Total	Total	Total	Total	Total	
Species		132	122	104	107	43	
Total birds banded		39939	23704	10180	5147	908	
Days banding		1188	776	220	153	39	
Net Hours		63309	34938.5	13165	13681.75	1523.75	
Birds banded per net hour			0.62	0.63	0.38	0.60	
Recaptures	9.90%	4494	2604	1103	753	34	
Casualties	0.30%	134	110	14	5	5	
Escapes/releases	1.94%	882	670	158	50	4	
Total Birds Handled		45438	27076	11455	5956	951	
Years		1996-2021	1996-2021	2003-2021	2009-2021	2010-2021*	
					no data 2020		
Years		26	26	19	13	11	