

# **High Park Hawk Watch**

## **2024 Season Report**



**TORONTO ORNITHOLOGICAL CLUB**

Compiled by Sean Fraser

TOC Records Director

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# Season Summary

From 1 September to 30 November, the team of volunteer counters for the High Park Hawk Watch (HPHW) tallied up **9,937** raptors during **149** hours of observation. Due to the nature of relying on volunteers, the HPHW has not had full coverage for every day of the season for the past few years. Keeping hourly counts for the entire three months would give a better understanding of what is flying over, but we have fortunately learned from previous years of counting that about 90% of birds are counted during days with ideal conditions. Throughout this whole season, zero days of ideal migration conditions went uncounted!

Many thanks to our counters for the 2024 season: **Gray Carlin, Sean Fraser, Alex Gee, Amanda Guercio, Chris Kimber, Marc Lichtenberg, and Raspberry Yow-Fairs.** A thank you is also deserved to the observers who put in many hours of assistance: Steven McClellan, Jerry Dimarco, Anne Bell, Donald Taylor, Howard Shapiro, Cesar Ponce, Ian Maione, David Creelman, Norah Murphy, and others who may have been missed (many apologies if so). Lastly, thank you to all who spent any time on Hawk Hill - enjoying the spectacle of migration as a community and contributing to citizen science projects are two core values of the Toronto Ornithological Club that cannot be done without the help of everyone involved.

## Raptor Highlights

### High Counts

Two species had record breaking daily high counts recorded this year:

- 26 SEP: **33** Bald Eagles were counted for the highest number seen in one day, beating the previous daily high count of 27 on 12 OCT 2023.
- 2 NOV: **23** Bald Eagles were counted for the third highest number seen in one day.
- 10 OCT: **2,354** Turkey Vultures were counted for the second highest number seen in one day, trailing the record high of 2,622 from 12 OCT 2023.

The same two species had record season high counts:

- **133** Bald Eagles were counted, beating the previous season high count of 120 in 2022.
- **8,062** Turkey Vultures were counted, beating the previous season high count of 5,415 in 2023.

## Short-eared Owl

On 26 OCT, a Short-eared Owl made a loop around Hawk Hill - ultimately heading back east as it vanished from view.

## **Non-Raptor Highlights**

In addition to migrating raptors, passerines, waterfowl, cranes, and more can be seen flying over Hawk Hill during the fall. Here are some of the season's highlights:

### Field Sparrows

Not migrating, but breeding! After following along with the secretive parents through the summer, a few juvenile Field Sparrows were seen on 2 SEP to confirm their breeding success.

### Sandhill Cranes

A few flocks of Sandhill Cranes were seen this year, including 5 on 15 OCT, 3 on 2 NOV, 37 on 8 NOV, 2 on 9 NOV.

### White-winged Crossbills

A small irruption of White-winged Crossbills passed through Toronto this year, with small numbers (1-3) seen or heard from Hawk Hill on 2 NOV, 9 NOV, 12 NOV, and 18 NOV.

### Thousands of blackbirds and other passerines

On the morning of 2 NOV, over four thousand blackbirds (mostly Common Grackles) streamed overhead in groups by the hundreds. Mixed in were hundreds of other passerines, including American Robins, Eastern Bluebirds, American Pipits, Purple Finches, and the previously mentioned White-winged Crossbills.

# **Weather Summary**

## September

There were six days during September (1, 2, 7, 13\*, 26, 29) that had at least two hours of sustained wind from the north (ENE, NE, NNE, N, NNW, NW, WNW) between 10am - 3pm EST without heavy rain. Disregarding 13 September (very light wind and a high humidex value of 32C), the lack of wind from the north caused Toronto to miss out on the bulk of the raptors that peak during mid-September, such as Broad-winged Hawks. While it is disappointing and possibly alarming to see drastically lower numbers, it is important to remember that the HPHW offers only a snapshot of the population - there are many different factors that lead each bird on their migration path. We can only count the ones that fly over Hawk Hill!

## October

There were eleven days during October (2, 4, 7, 8, 10, 12, 13\*, 14, 15, 16, 26) that had at least two hours of sustained wind from the north between 10am - 3pm EST without heavy rain. The 13th had rain to the east and west of the city. With the run of good conditions for the first two weeks of the month, there were eight days of 300+ raptors (including the record breaking Turkey Vulture day).

## November

There were 10 days during November (2, 7, 8, 9, 12, 16, 18, 20, 23\*, 28\*) that had at least two hours of sustained wind from the north between 10am - 3pm EST without heavy rain. 23 NOV had a band of rain that broke into scattered showers as it passed over Toronto from west to east. 28 NOV had light winds in the morning with precipitation further north. Although there were several days that had promising conditions in the month, all but one day (2 NOV) led to poor raptor flights.

## Conclusion

Another hawk watch season has passed, and we hope all of the counted birds are enjoying the warmer climes of their journey's endpoints. Other than the great showing from Bald Eagles and Turkey Vultures, it was a rather slow few months on Hawk Hill - with fewer big days of raptor movement than previous years and a modest variety of all non-raptors (although, very few waterfowl were observed this year).

In the end, this was a successful season for the HPHW during its "counters-on-standby" era. Statistically, we counted most of the birds that flew over Hawk Hill - our main goal.

To see all of the available count data, check out this link:

<https://hawkcount.org/siteinfo.php?rsite=393>

If you are interested in being a hawk counter for future seasons, send an email to [hawkwatch@torontobirding.ca](mailto:hawkwatch@torontobirding.ca) to find out more.

Hope to see you all on the hill next year!

Sean Fraser  
TOC Records Director

# Season Count Breakdown

Below is a table including this year's totals for each species, as well as the data for the previous four years and the calculated averages for the prior 10 and 30 year periods.

Species	2024	2023	2022	2021	2020	10 Year Avg	30 Year Avg
Black Vulture	0	0	1	0	0	0	0
Turkey Vulture	8,062	5,415	2,837	4,210	2,389	3,663	2,563
Osprey	11	10	31	6	18	27	37
Bald Eagle	133	65	120	67	61	61	42
Northern Harrier	47	68	55	45	54	46	87
Sharp-shinned Hawk	879	1,340	1,555	832	672	1,012	1,712
Cooper's Hawk	22	32	46	49	63	64	85
American Goshawk	1	1	3	2	0	3	8
Red-shouldered Hawk	56	34	40	89	72	95	110
Broad-winged Hawk	111	3,820	7,497	1,374	4,951	2,096	3,807
Red-tailed Hawk	372	391	549	565	680	661	1,518
Rough-legged Hawk	3	4	1	4	4	7	12
Golden Eagle	17	29	8	2	7	10	15
American Kestrel	84	225	332	118	253	169	263
Merlin	13	12	27	21	14	18	20
Peregrine Falcon	17	8	19	15	16	18	19
Accipiter sp.	3	7	5	12	22	11	13
Buteo sp.	88	51	59	71	39	43	40
Falcon sp.	10	7	6	10	5	4	3
Eagle sp.	8	2	2	3	1	2	2
<b>TOTAL</b>	9,937	11,521	13,193	7,495	9,321	8,032	10,415

# Big Days

A "Big Day" can be described as a day when there is a large movement of raptors - when it seems like there is not much time between groups of birds passing by. It is hard to quantify a number to qualify a day as a Big Day, because a Big Day in September is very different from a Big Day in November. There were 13 days this year that were worthy of the Big Day title, here are their totals:

- 26 SEP: **218**
- 2 OCT: **610**
- 5 OCT: **499**
- 7 OCT: **960**
- 8 OCT: **332**
- 10 OCT: **2,597**
- 12 OCT: **995**
- 14 OCT: **822**
- 15 OCT: **912**
- 16 OCT: **248**
- 24 OCT: **493**
- 26 OCT: **596**
- 2 NOV: **170**

Four of the key Big Days of the season are detailed below:

## 26 SEP

Partly cloudy, High temperature: 24C, Wind: Light NW-NNW, Rising barometric pressure

- Turkey Vulture: **73**
- Osprey: **3**
- Bald Eagle: **33\***
- Northern Harrier: **9**
- Sharp-shinned Hawk: **57**
- Broad-winged Hawk: **18**
- Red-tailed Hawk: **10**
- American Kestrel: **16**
- Merlin: **4**
- Peregrine Falcon: **2**

\*Highlight: Record breaking Bald Eagle day (highest single day total for HPHW).

## 10 OCT

Partly cloudy, High temperature: 14C, Wind: Moderate WNW, Falling barometric pressure

- Turkey Vulture: **2,354\***
- Bald Eagle: **12**
- Northern Harrier: **9**
- Sharp-shinned Hawk: **139**
- Cooper's Hawk: **7**
- Red-shouldered Hawk: **15**
- Broad-winged Hawk: **2**
- Red-tailed Hawk: **29**
- American Kestrel: **8**
- Peregrine Falcon: **3**

\*Highlight: Record breaking Turkey Vulture day (2nd highest single day total for HPHW).

## 15 OCT

Cloudy, High temperature: 10C, Wind: Moderate NNW, Falling barometric pressure

- Turkey Vulture: **755**
- Bald Eagle: **1**
- Northern Harrier: **1**
- Sharp-shinned Hawk: **110**
- Cooper's Hawk: **1**
- American Goshawk: **1\***
- Red-shouldered Hawk: **9**
- Broad-winged Hawk: **3**
- Red-tailed Hawk: **18**
- Golden Eagle: **2**
- American Kestrel: **1**
- Peregrine Falcon: **1**

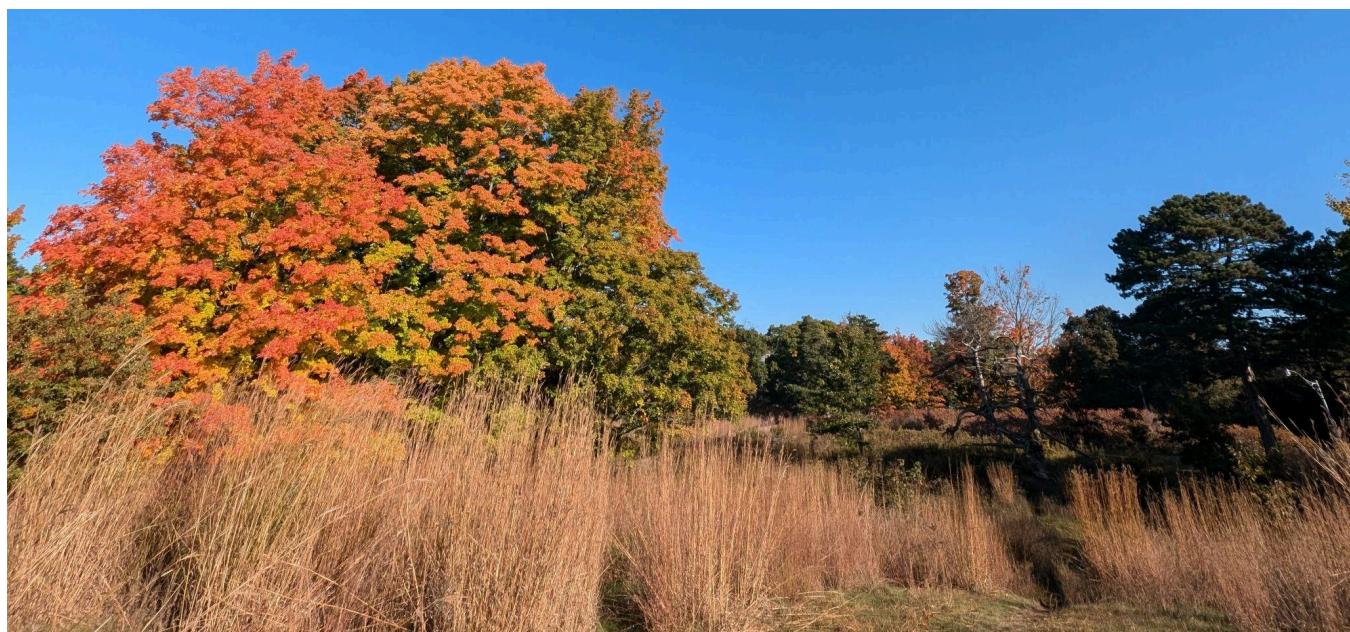
\*Highlight: American Goshawk (becoming an uncommon species).

## 2 NOV

Partly cloudy, High temperature: 9C, Wind: Light NW-ENE, Steady barometric pressure

- Turkey Vulture: **74**
- Bald Eagle: **23\***
- Northern Harrier: **4**
- Sharp-shinned Hawk: **6**
- Cooper's Hawk: **1**
- Red-shouldered Hawk: **8**
- Red-tailed Hawk: **43**
- Rough-legged Hawk: **3**
- Golden Eagle: **6**

\*Highlight: Record setting Bald Eagle day (3rd highest single day total for HPHW).



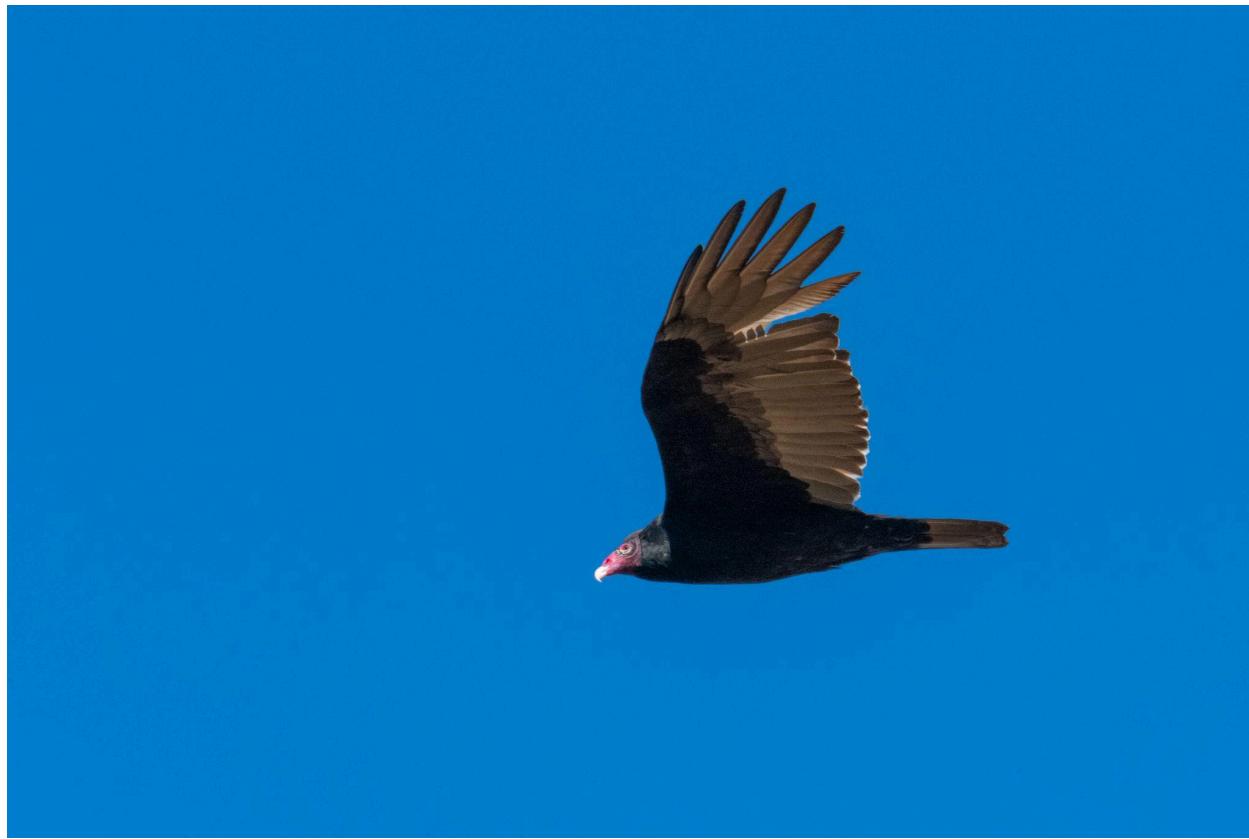
# Species Accounts

The following species (with their season totals) have been regularly observed and counted during the High Park Hawk Watch:

- Turkey Vulture
- Osprey
- Bald Eagle
- Northern Harrier
- Sharp-shinned Hawk
- Cooper's Hawk
- American Goshawk
- Red-shouldered Hawk
- Broad-winged Hawk
- Red-tailed Hawk
- Rough-legged Hawk
- Golden Eagle
- American Kestrel
- Merlin
- Peregrine Falcon

This section will provide statistics and a general comment about the 2024 hawk watching season for each of the listed species.

# Turkey Vulture



*Turkey Vulture - 26 OCT 2024 - Sean Fraser*

## Statistics

First observation: **2 SEP**

Last observation: **12 NOV**

Highest daily count: **2,354 (10 OCT)**

Total count: **8,062**

Average yearly total since 1994: **2,562**

Average yearly total 2013-2023: **3,663**

Highest daily count: **2,622 (12 OCT 2023)**

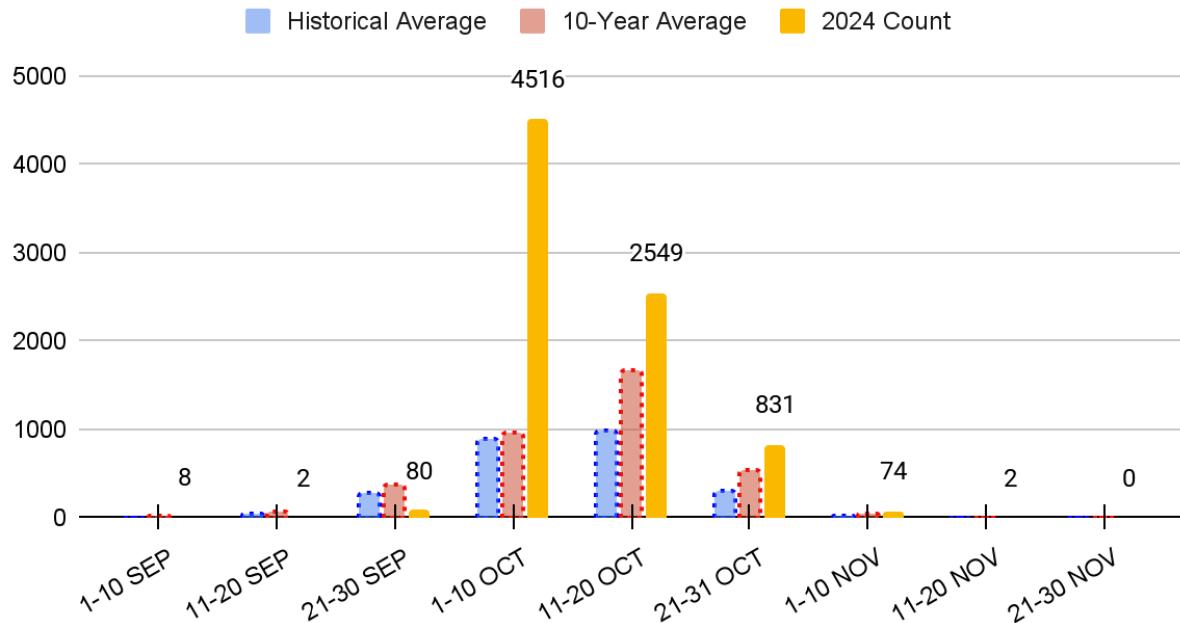
Highest year total: **8,062\* (2024)**

Lowest year total: **290 (1995)**

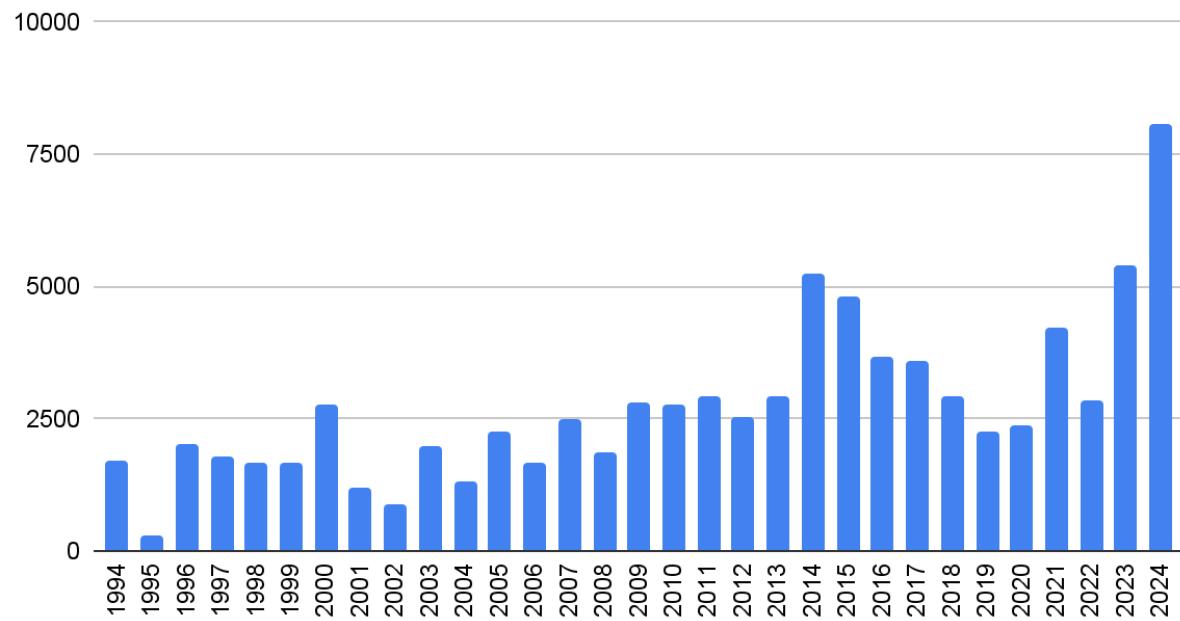
## Summary

This year continued the recent trend of increasing numbers of Turkey Vultures, setting the highest season count record at the HPHW. When the time and conditions are right, it seems as if a new kettle is seen to the east as the last exits from view to the west - from the first group that takes off from their nearby roost in the morning until the sun starts getting low in the sky.

## 2024 Turkey Vulture Count vs Averages



## Turkey Vulture Yearly Season Count



# Osprey



Osprey - 1 SEP - Sean Fraser

## Statistics

First observation: **2 SEP**

Last observation: **26 OCT**

Highest daily count: **3 (26 SEP)**

Total count: **11**

Average yearly total since 1994: **37**

Average yearly total 2013-2023: **19**

Highest daily count: **77 (25 OCT 2013)**

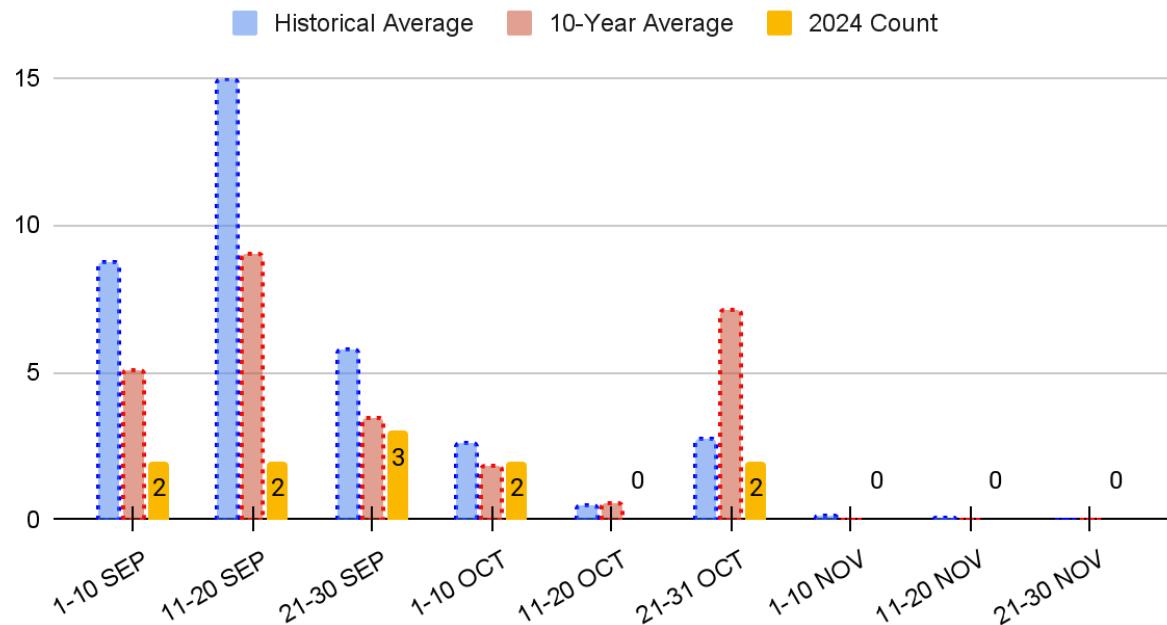
Highest year total: **110 (2013)**

Lowest year total: **6 (2021, 2017)**

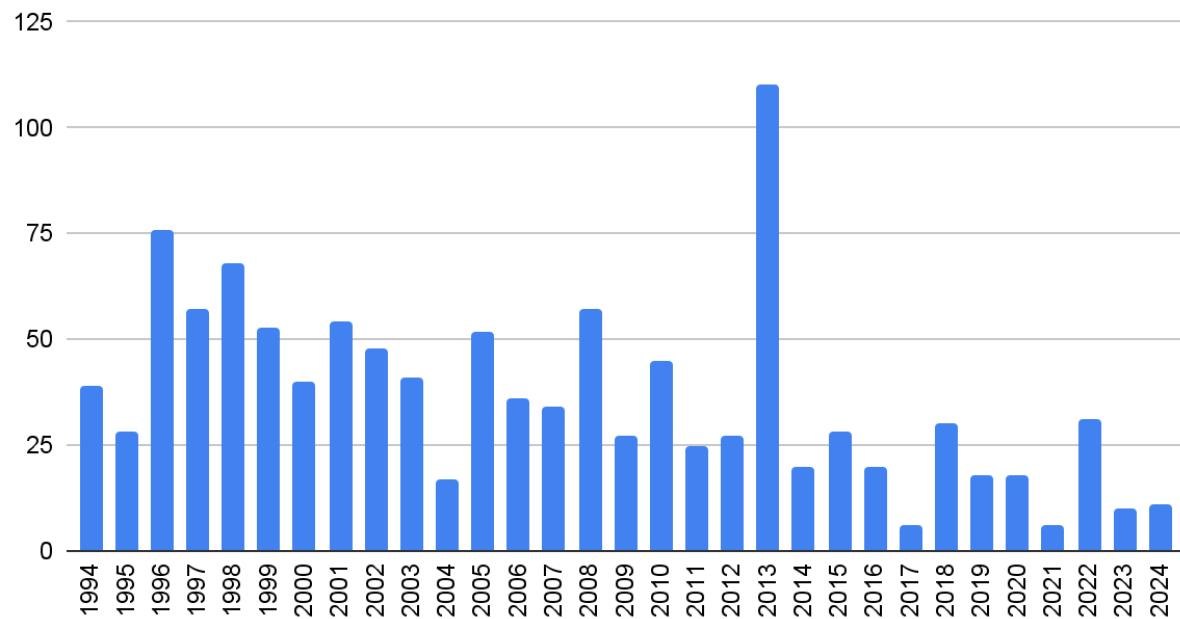
## Summary

Although a nearby breeding pair and their young made a few low-flying appearances early in the season, most Ospreys migrating over Hawk Hill were at much higher elevations. There were a few late-season individuals that were each surprises each time they passed by - including one with a very full crop! Fewer Osprey were counted this year than the recent average.

## 2024 Osprey Count vs Averages



## Osprey Yearly Season Count



# Bald Eagle



*Bald Eagle - 26 OCT 2024 - Sean Fraser*

## Statistics

First observation: **2 SEP**

Last observation: **2 NOV**

High daily count: **33\* (26 SEP)**

Total count: **133**

Average yearly total since 1994: **42**

Average yearly total 2013-2023: **61**

Highest daily count: **33\* (26 SEP 2024)**

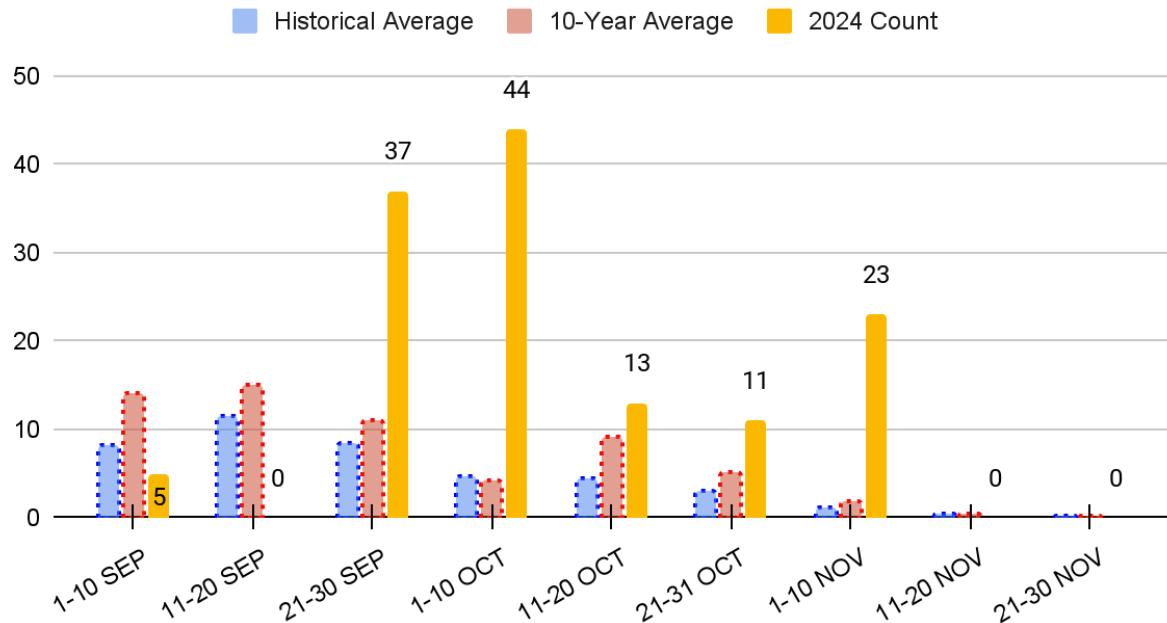
Highest year total: **133\* (2024)**

Lowest year total: **10 (1995)**

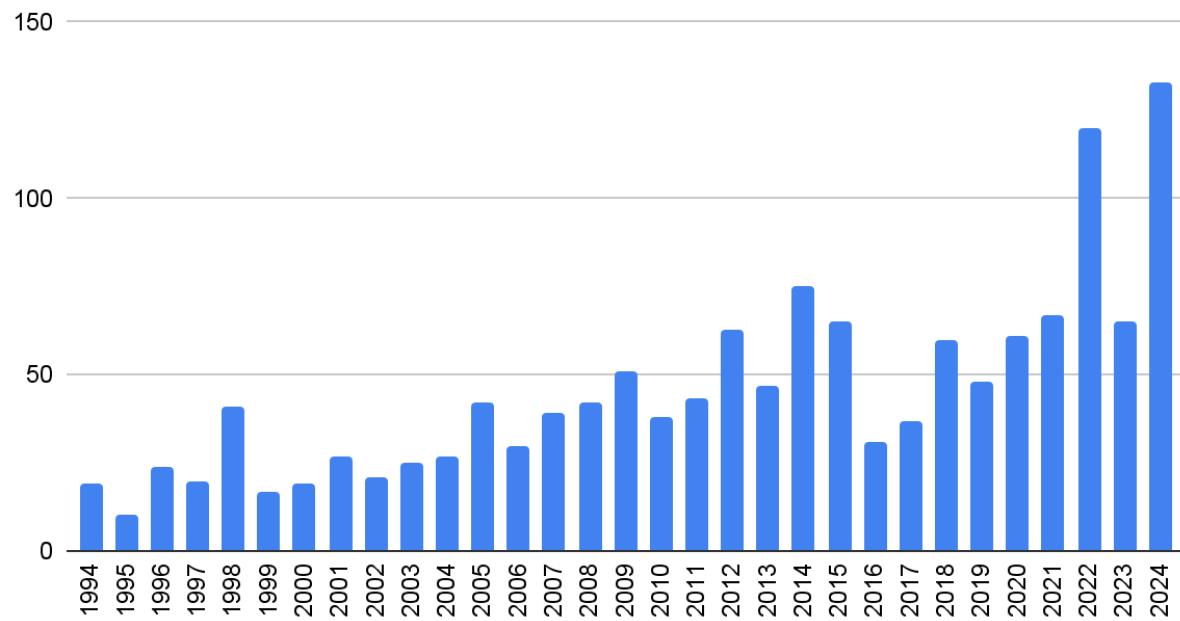
## Summary

As confirmation that the conservation efforts are working, Bald Eagles continued to fly over in record numbers - including a record breaking daily high count of 33! Another day of 23 Bald Eagles set the third highest daily count. This year also broke the season high count with 133! We hope this trend continues through the future, and to possibly see the same for some of our other vulnerable species.

## 2024 Bald Eagle Count vs Averages



## Bald Eagle Yearly Season Count



# Northern Harrier



*Northern Harrier - 7 OCT 2024 - Sean Fraser*

## Statistics

First observation: **2 SEP**

Last observation: **16 NOV**

High daily count: **14 (7 OCT)**

Total count: **47**

Average yearly total since 1994: **87**

Average yearly total 2013-2023: **46**

Highest daily count: **87 (16 SEP 1994)**

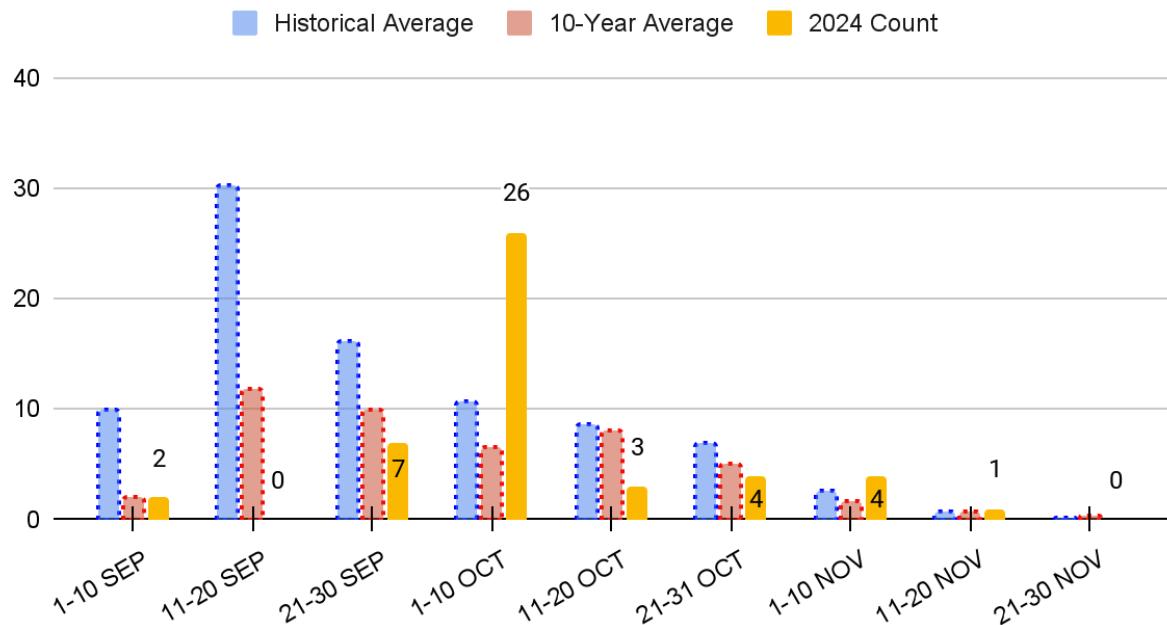
Highest year total: **323 (1998)**

Lowest year total: **17 (2019)**

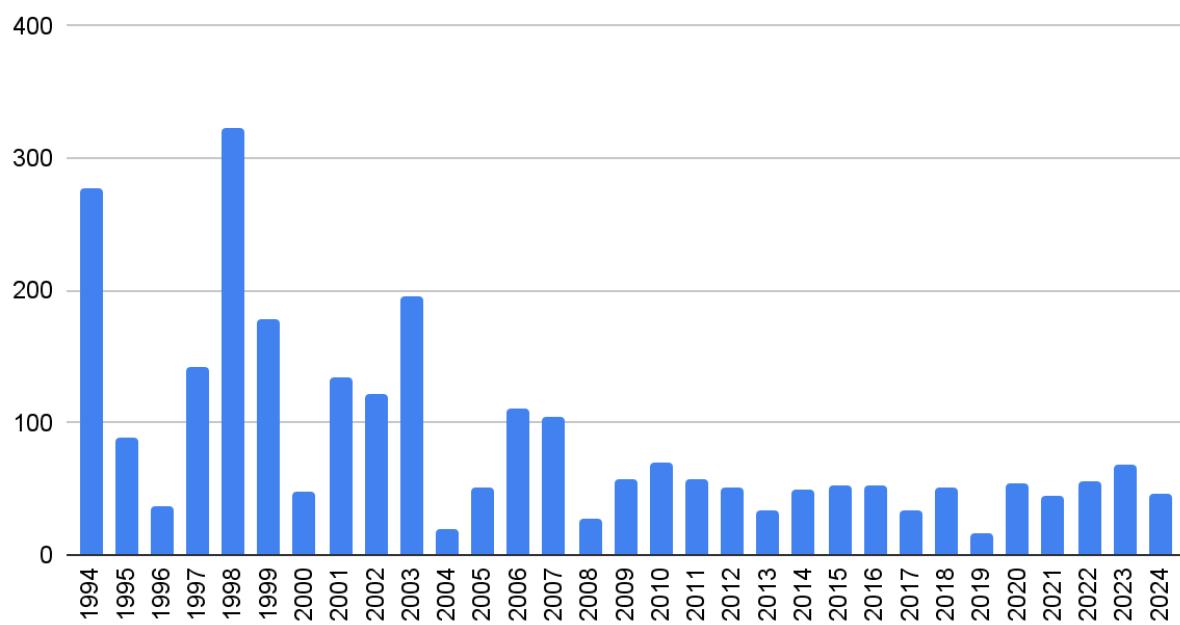
## Summary

Although Northern Harriers are not uncommon through the entire season, the "Gray Ghost" adult males make up a fraction of the birds seen. Only a handful passed over Hawk Hill this year, including one that did a breath-takingly low line right overhead. Following the recent averages, a typical amount of Northern Harriers were counted this year.

## 2024 Northern Harrier Count vs Averages



## Northern Harrier Yearly Season Count



# Sharp-shinned Hawk



*Sharp-shinned Hawk - 15 OCT 2024 - Sean Fraser*

## Statistics

First observation: **1 SEP**

Last observation: **18 NOV**

High daily count: **139 (10 OCT)**

Total count: **879**

Average yearly total since 1994: **1,688**

Average yearly total 2013-2023: **1,011**

Highest daily count: **877 (16 SEP 1999)**

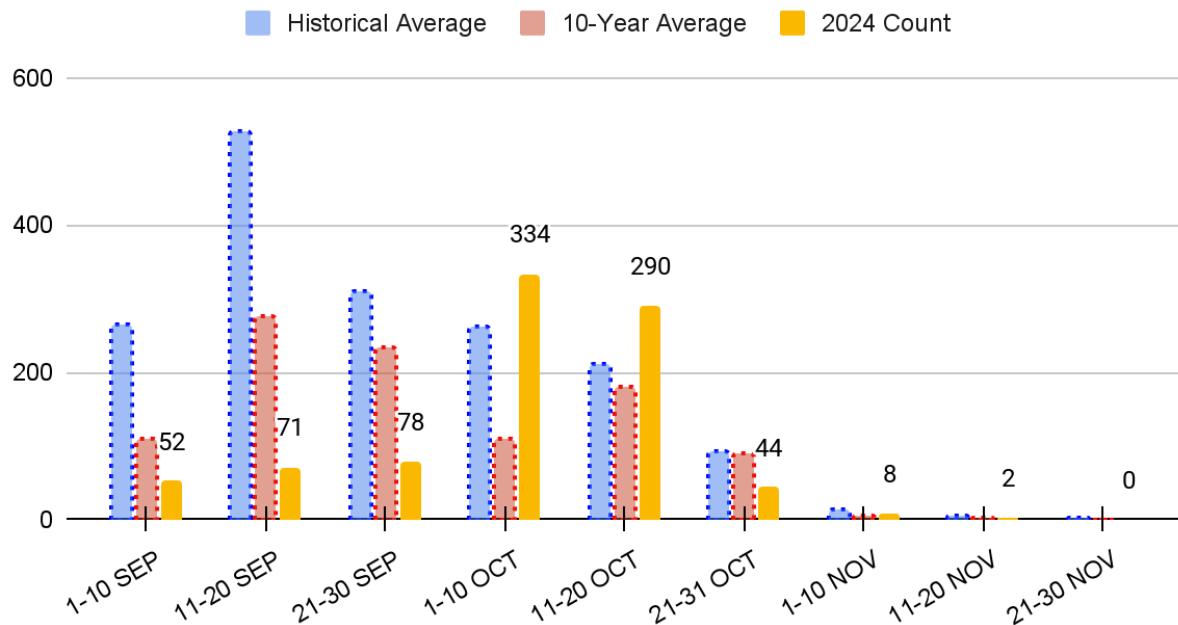
Highest year total: **4,254 (1998)**

Lowest year total: **459 (2019)**

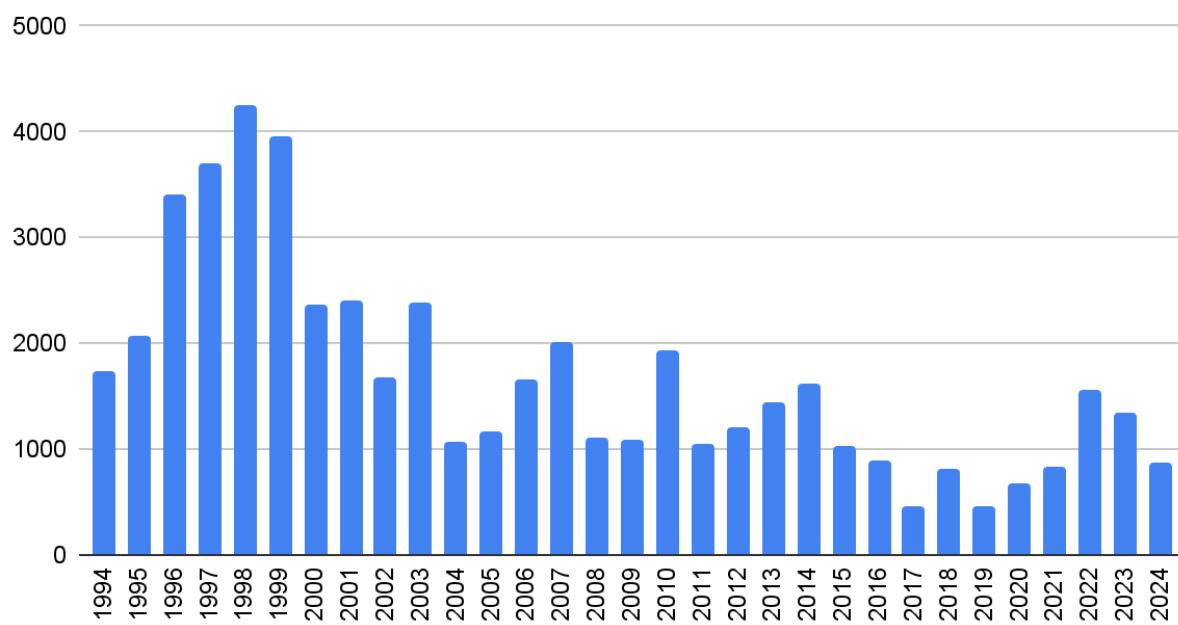
## Summary

Much like the Broad-winged Hawks, the weather for September likely had an impact on the total number of Sharp-shinned Hawks this year. Most years, there is at least one day with a near constant appearance of two Sharp-shinned Hawks over the treeline - but this year we did not get to experience this. The "big" days for the species this year had most birds flying higher overhead.

## 2024 Sharp-shinned Hawk Count vs Averages



## Sharp-shinned Hawk Yearly Season Count



# Cooper's Hawk



*Cooper's Hawks - 7 OCT - 2024 - Sean Fraser*

## Statistics

First observation: **2 SEP**

Last observation: **2 NOV**

High daily count: **6 (2 OCT)**

Total count: **22\***

Average yearly total since 1994: **84**

Average yearly total 2013-2023: **64**

Highest daily count: **34 (13 OCT 1996)**

Highest year total: **160 (2007)**

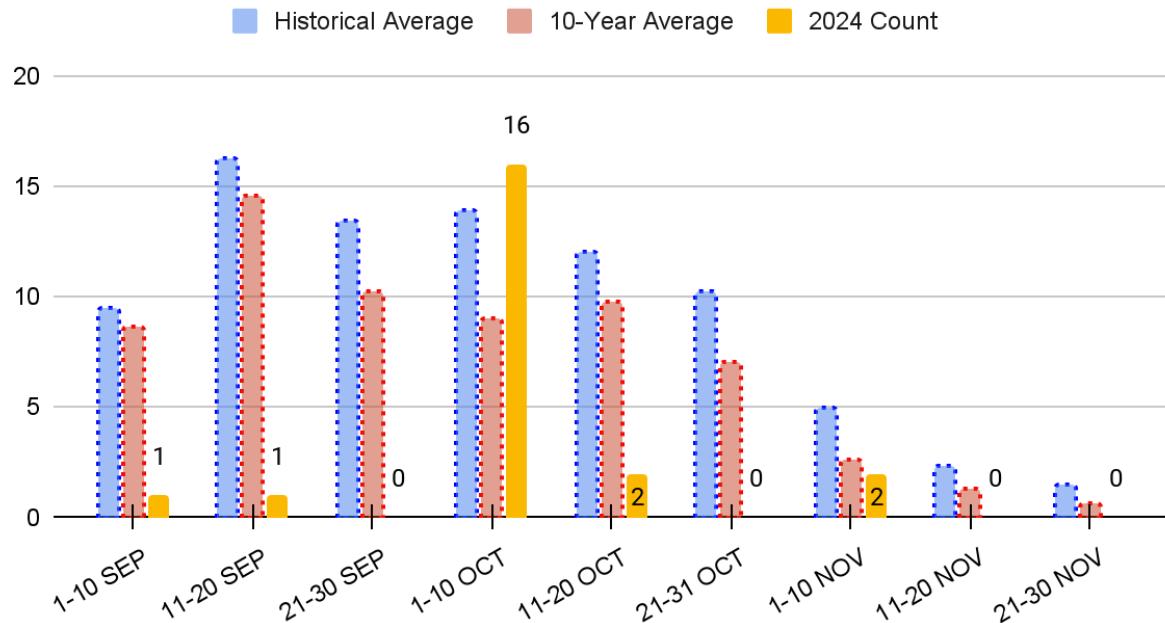
Lowest year total: **22 (2024)**

## Summary

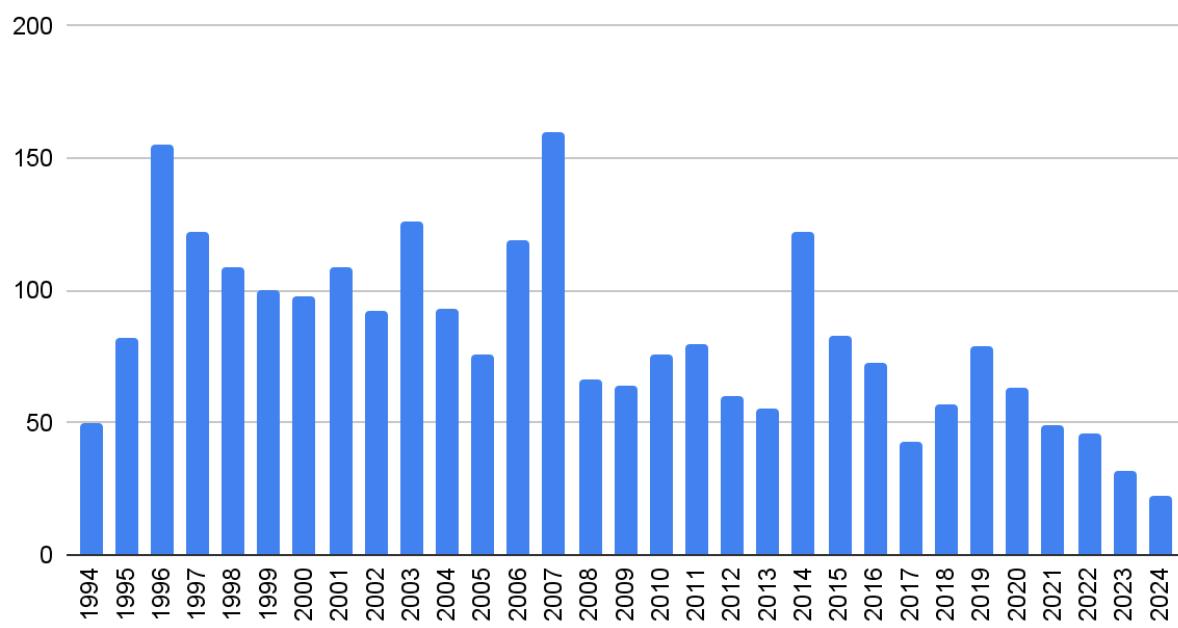
Although there is a big emphasis on learning to identify Cooper's Hawks vs Sharp-shinned Hawks, there are not many chances to see a migrating Cooper's Hawk through the season.

Continuing the trend from the last twenty years, this season saw the lowest number of Cooper's Hawks counted.

## 2024 Cooper's Hawk Count vs Averages



## Cooper's Hawk Yearly Season Count



# American Goshawk



*American Goshawk - 15 OCT 2024 - Sean Fraser*

## Statistics

First observation: **15 OCT**

Last observation: **15 OCT**

High daily count: **1 (15 OCT)**

Total count: **1**

Average yearly total since 1994: **9**

Average yearly total 2013-2023: **3**

Highest daily count: **7 (5 SEP 2012)**

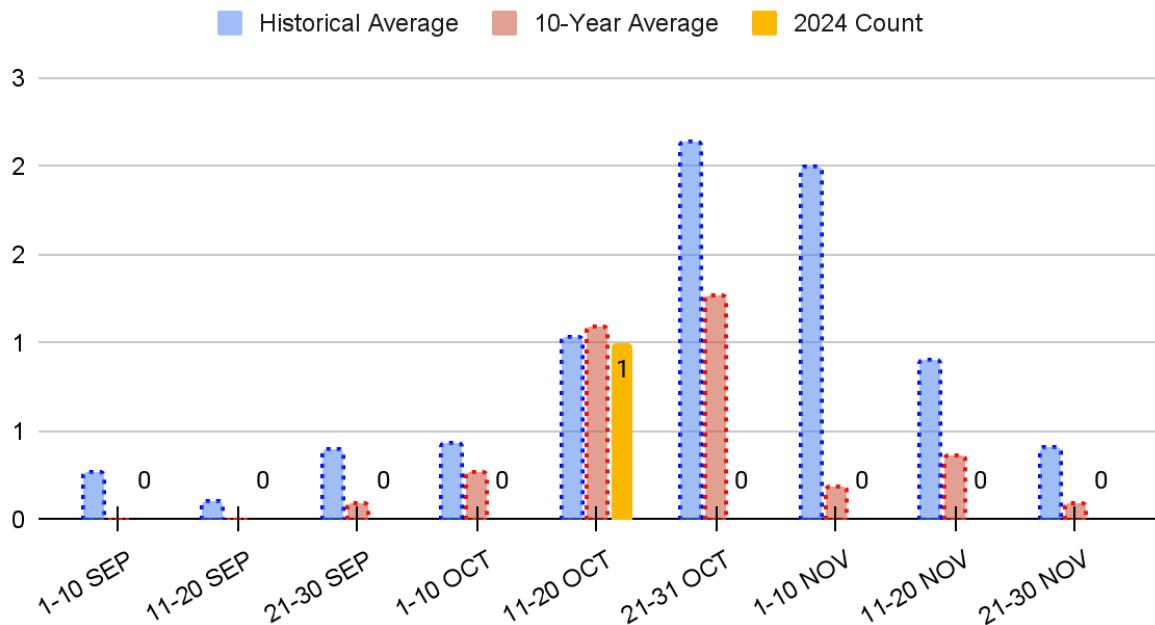
Highest year total: **22 (1995)**

Lowest year total: **0 (2023, 2020, 2017)**

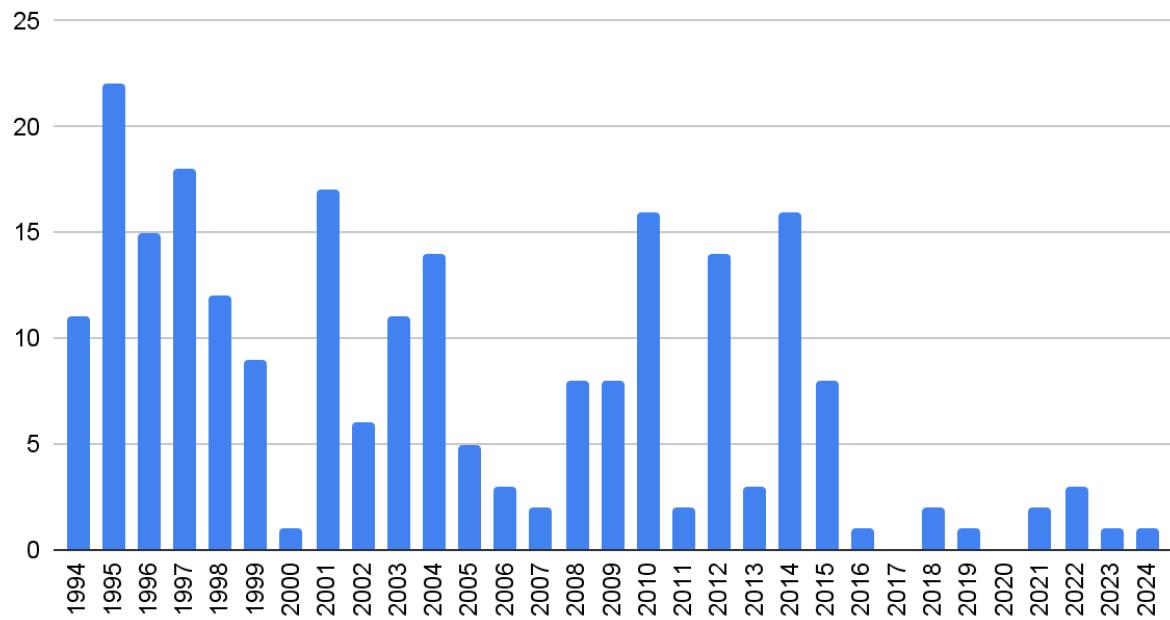
## Summary

Adding to their mystique this year, the few minutes surrounding the appearance of the American Goshawk confused nearly everyone on Hawk Hill. Due to its size and being backlit, no one was completely sure what was seen fighting with a Red-tailed Hawk and then a Cooper's Hawk. After reviewing photos, the suspicion was confirmed. Continuing the recent trend, fewer than average American Goshawks were counted this year.

## 2024 American Goshawk Count vs Averages



## American Goshawk Yearly Season Count



# Red-shouldered Hawk



*Red-shouldered Hawk - 15 OCT 2024 - Sean Fraser*

## Statistics

First observation: **2 OCT**

Last observation: **18 NOV**

High daily count: **15 (10 OCT)**

Total count: **56**

Average yearly total since 1994: **110**

Average yearly total 2013-2023: **95**

Highest daily count: **259 (16 SEP 2016)**

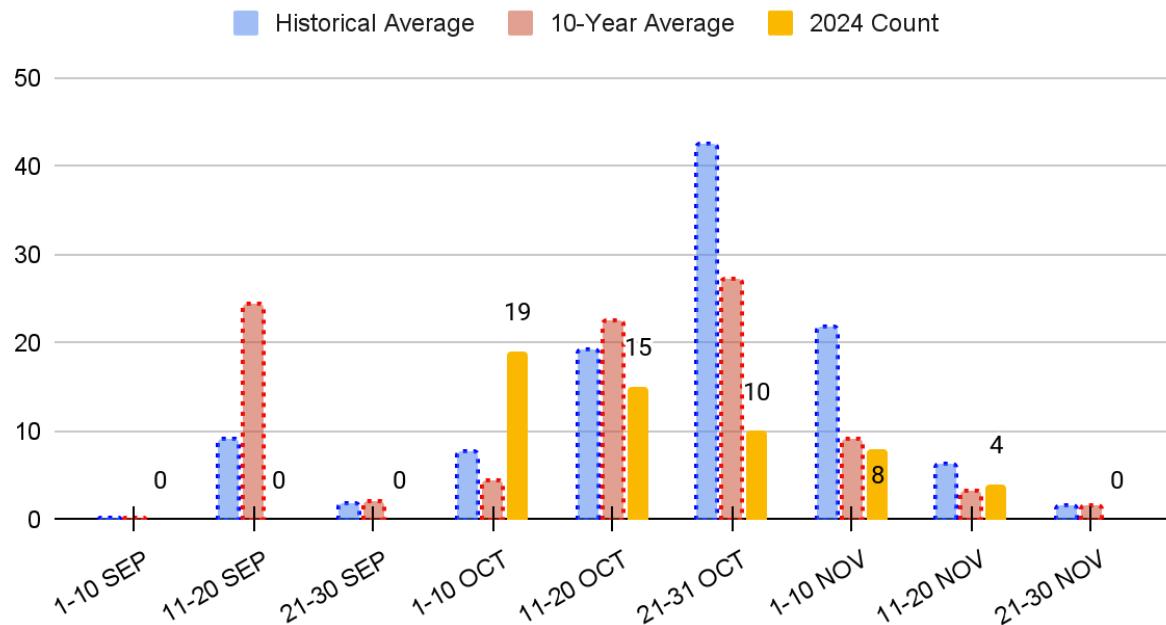
Highest year total: **400 (2014)**

Lowest year total: **9 (2013)**

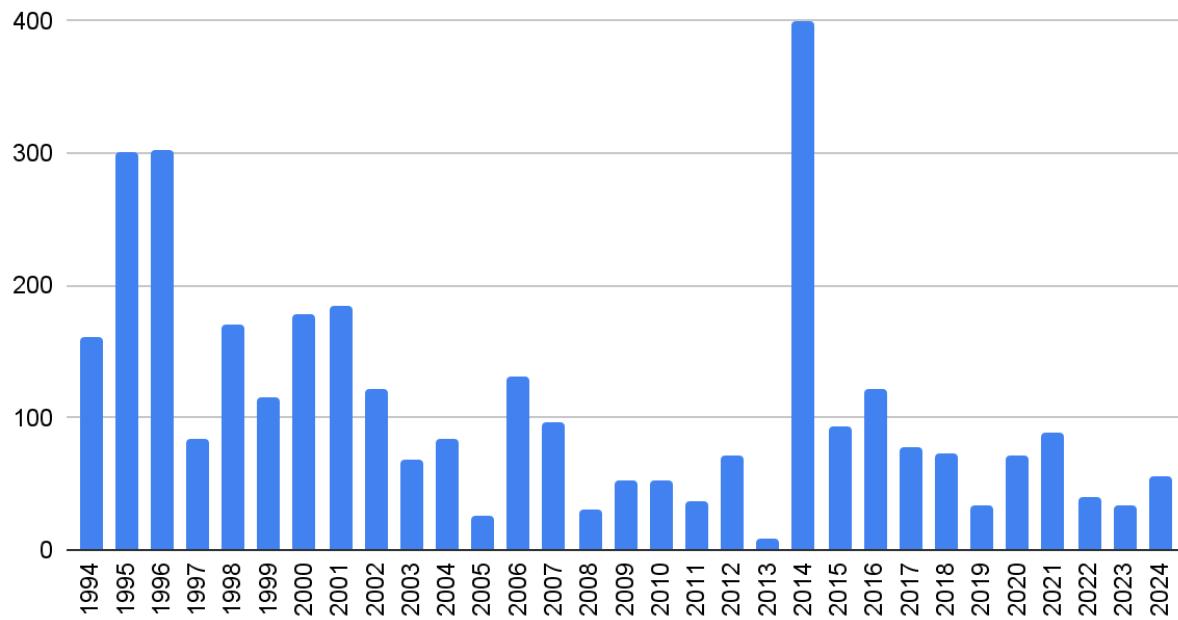
## Summary

Most Red-shouldered Hawks seen this year were tucked in with groups of Turkey Vultures and Red-tailed Hawks as they streamed past, but many observers were treated to the wonderfully vibrant adult photographed above that slowly crossed over Hawk Hill as the sun was starting to get low in the sky. Just over half of the recent average were counted this year, continuing the trend that many species are following.

## 2024 Red-shouldered Hawk Count vs Averages



## Red-shouldered Hawk Yearly Season Count



# Broad-winged Hawk



*Broad-winged Hawk - 20 AUG 2024 - Sean Fraser*

## Statistics

First observation: **1 SEP**

Last observation: **15 OCT**

High daily count: **69 (2 SEP)**

Total count: **111**

Average yearly total since 1994: **3,804**

Average yearly total 2013-2023: **2,095**

Highest daily count: **10,399 (15 SEP 2000)**

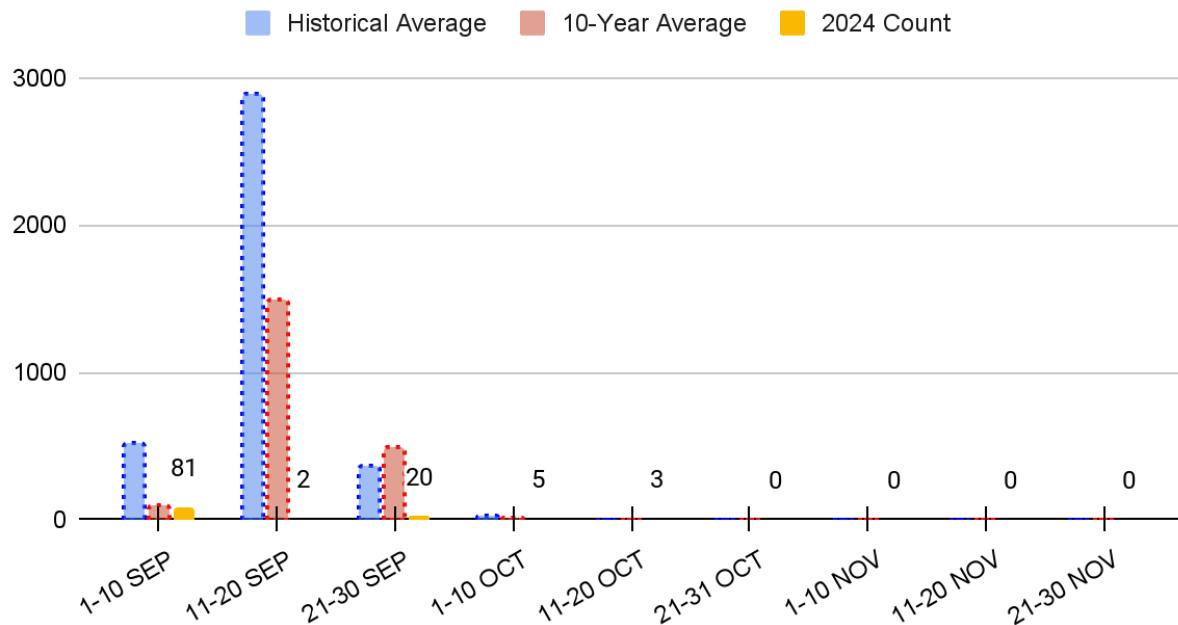
Highest year total: **17,289 (2000)**

Lowest year total: **18 (2015)**

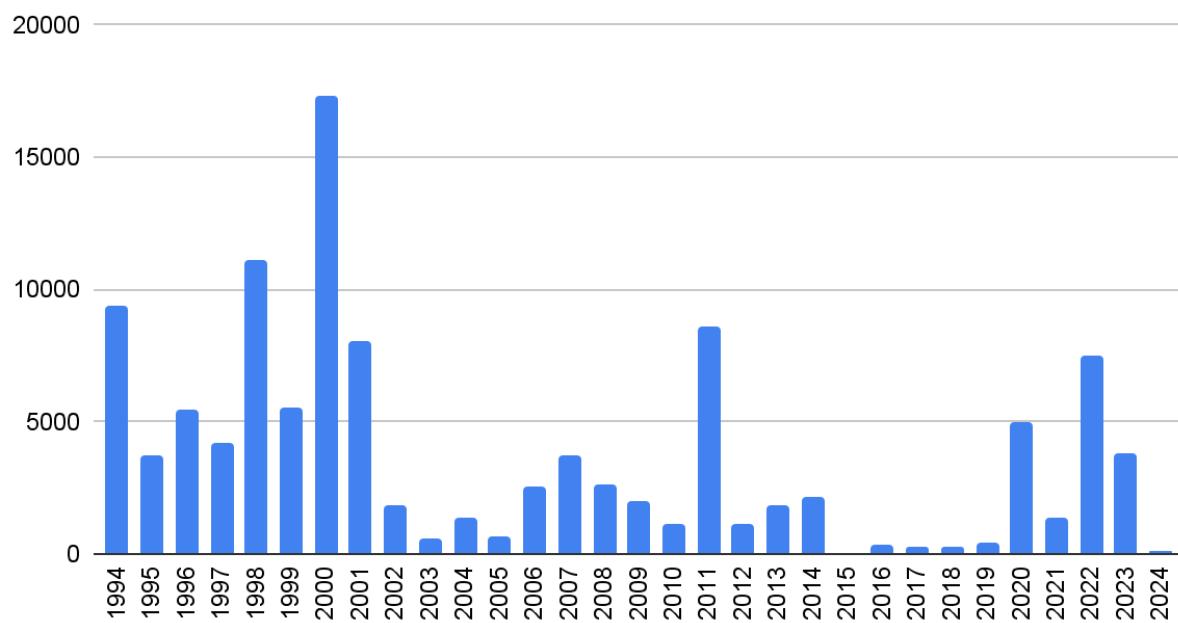
## Summary

Due to the wind patterns surrounding their peak passing dates, the large kettles of Broad-winged Hawks were missed by the HPHW this year. Before the season officially started, winds from the north were bringing decent numbers of early juvenile Broad-winged Hawks in late August - a tease of what could have been.

## 2024 Broad-winged Hawk Count vs Averages



## Broad-winged Hawk Yearly Season Count



# Red-tailed Hawk



*Red-tailed Hawk - 26 OCT 2024 - Sean Fraser*

## Statistics

First observation: **3 SEP**

Last observation: **12 NOV**

High daily count: **140 (26 OCT)**

Total count: **312\***

Average yearly total since 1994: **1,515**

Average yearly total 2013-2023: **660**

Highest daily count: **1,680 (27 OCT 2001)**

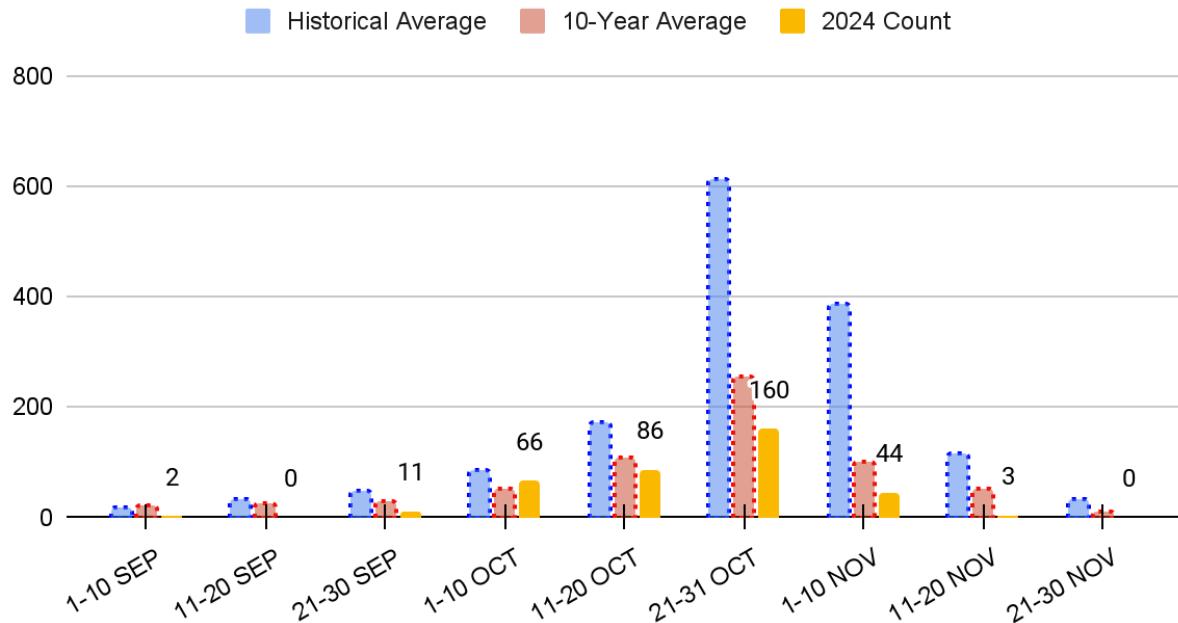
Highest year total: **3,724 (2001)**

Lowest year total: **312\* (2024)**

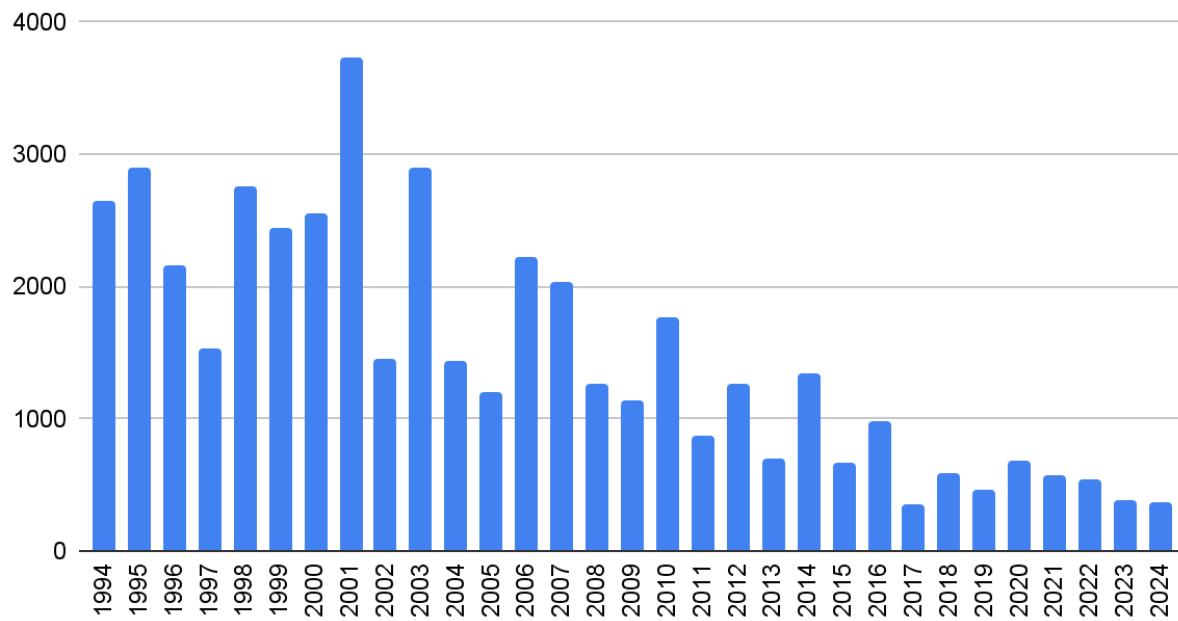
## Summary

Observing the local Red-tailed Hawks in September is a great way to get ready for the mid-to-late season runs of Buteos streaming through. Unlike years past with their numbers in the thousands, Red-tailed Hawks still made up a good chunk of the daily counts past the mid-season slump.

## 2024 Red-tailed Hawk Count vs Averages



## Red-tailed Hawk Yearly Season Count



# Rough-legged Hawk



*Rough-legged Hawk - 2 NOV 2024 - Sean Fraser*

## Statistics

First observation: **2 NOV**

Last observation: **2 NOV**

High daily count: **3 (2 NOV)**

Total count: **3**

Average yearly total since 1994: **12**

Average yearly total 2013-2023: **6**

Highest daily count: **13 (23 NOV 2011)**

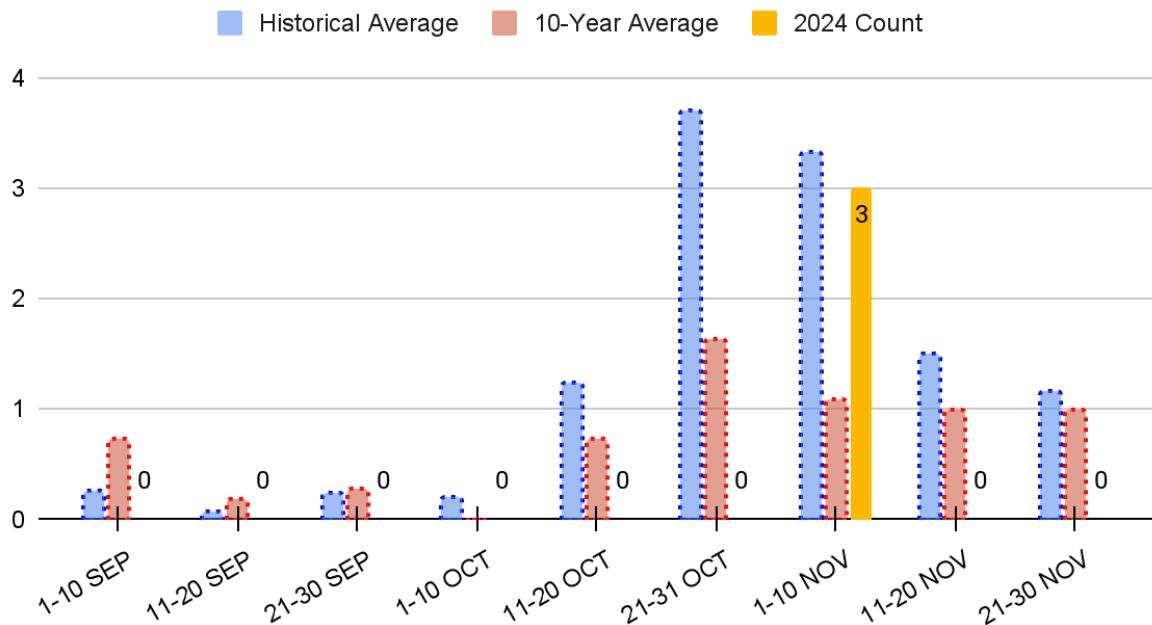
Highest year total: **34 (1999)**

Lowest year total: **1 (2022, 2017, 2012)**

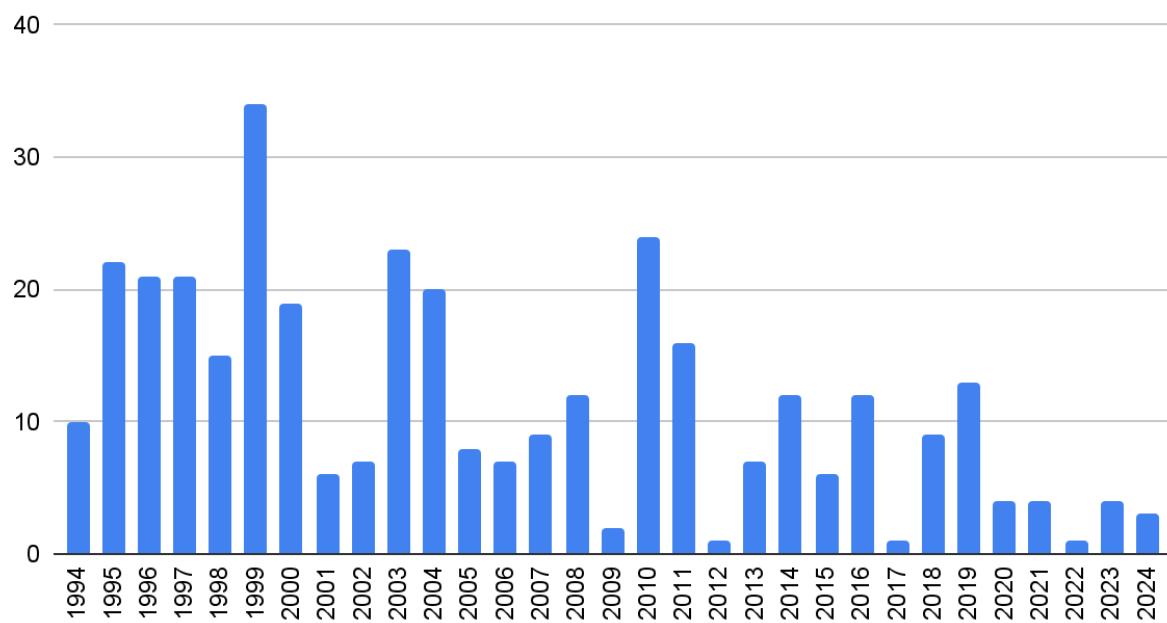
## Summary

After two months of waiting, the first Rough-legged Hawk flew over Hawk Hill on the first good day of November - a neck-breaking dark morph that nearly snuck by unnoticed. Before the day's end, two more light morphs were seen, including the one photographed above that did a few lazy circles before carrying on west. These were the only three Rough-legged Hawks counted this year, half of the recent season average.

## 2024 Rough-legged Hawk Count vs Averages



## Rough-legged Hawk Yearly Season Count



# Golden Eagle



*Golden Eagle - 15 OCT 2024 - Sean Fraser*

## Statistics

First observation: **14 OCT**

Last observation: **12 NOV**

High daily count: **7 (26 OCT)**

Total count: **17**

Average yearly total since 1994: **15**

Average yearly total 2013-2023: **10**

Highest daily count: **12 (23 OCT 1999)**

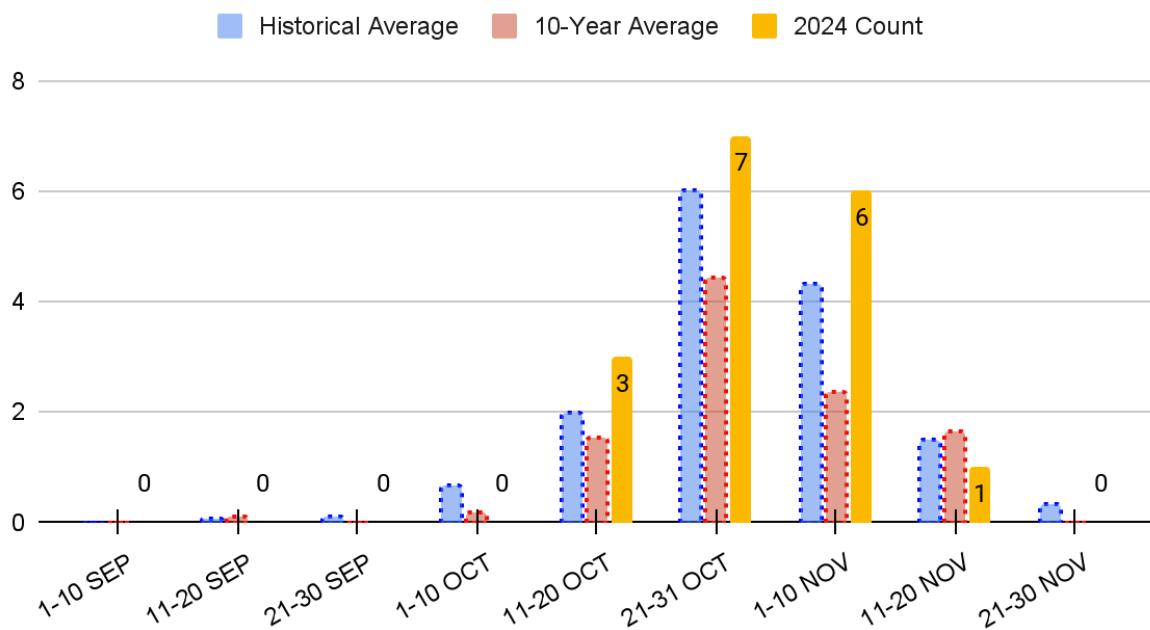
Highest year total: **43 (1999)**

Lowest year total: **2 (2021)**

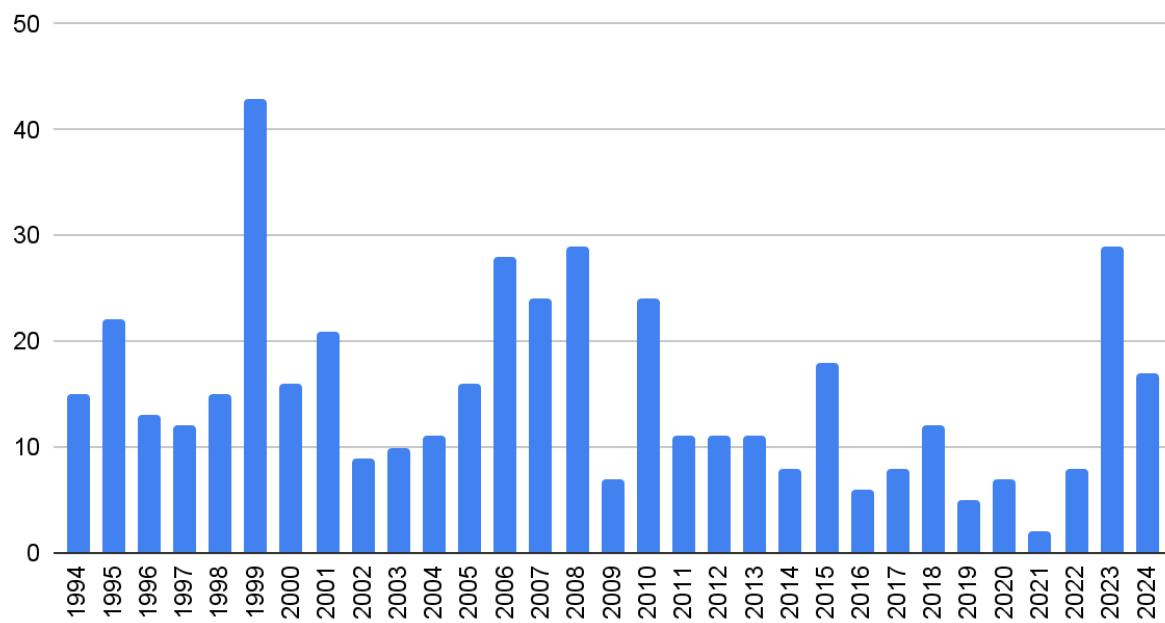
## Summary

Nearly all but a few Golden Eagles this year were immature birds, and nearly all were soaring very high or very distant. On 26 OCT, viewers on Hawk Hill were treated to some low-sun light making the golden napes glow and white wing patches flash on all of the immature birds flying overhead. More Golden Eagles than average were counted this year, continuing last year's great run for this species.

## 2024 Golden Eagle Count vs Averages



## Golden Eagle Yearly Season Count



# American Kestrel



*American Kestrel - 2 SEP 2024 - Sean Fraser*

## Statistics

First observation: **1 SEP**

Last observation: **1 NOV**

High daily count: **16 (26 SEP)**

Total count: **84**

Average yearly total since 1994: **254**

Average yearly total 2013-2023: **169**

Highest daily count: **358 (3 SEP 1998)**

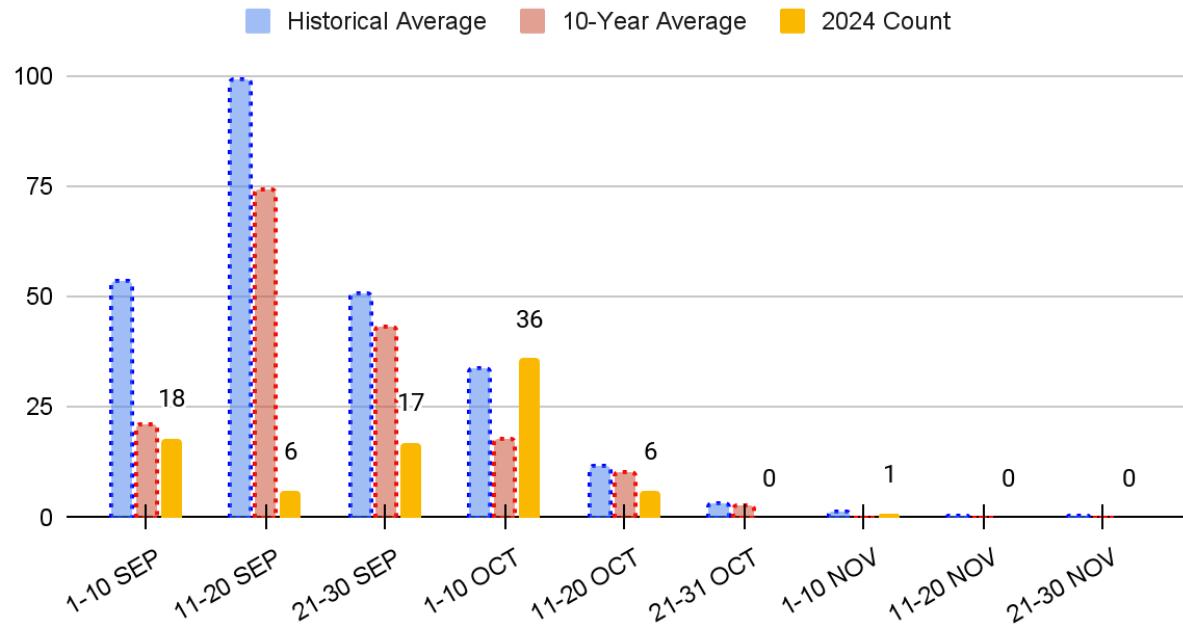
Highest year total: **904 (1998)**

Lowest year total: **47 (2015)**

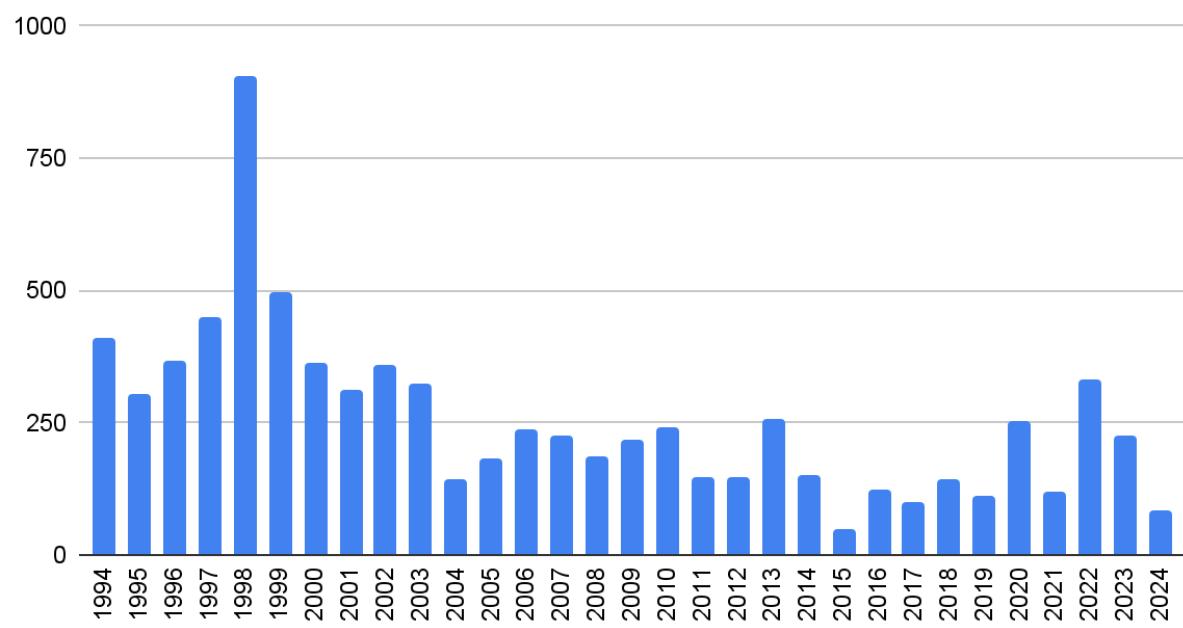
## Summary

Similar to the Broad-winged Hawks, due to the wind patterns in mid-September the HPHW likely missed a sizable percentage of the expected numbers of American Kestrels - although, not nearly as drastic since their migration timing window is not as narrow as Broad-winged Hawks.

## 2024 American Kestrel Count vs Averages



## American Kestrel Yearly Season Count



# Merlin



Merlin - 22 SEP 2024 - Sean Fraser

## Statistics

First observation: **2 SEP**

Last observation: **14 OCT**

High daily count: **4 (26 SEP)**

Total count: **13**

Average yearly total since 1994: **20**

Average yearly total 2013-2023: **18**

Highest daily count: **10 (14 SEP 2022)**

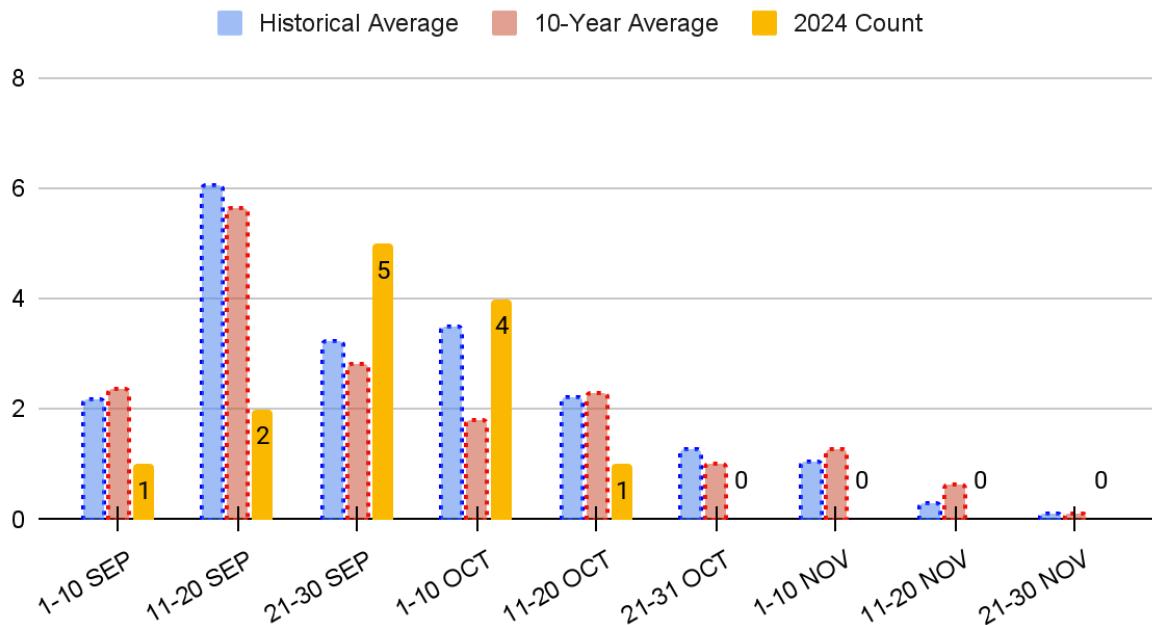
Highest year total: **37 (1999)**

Lowest year total: **7 (2017)**

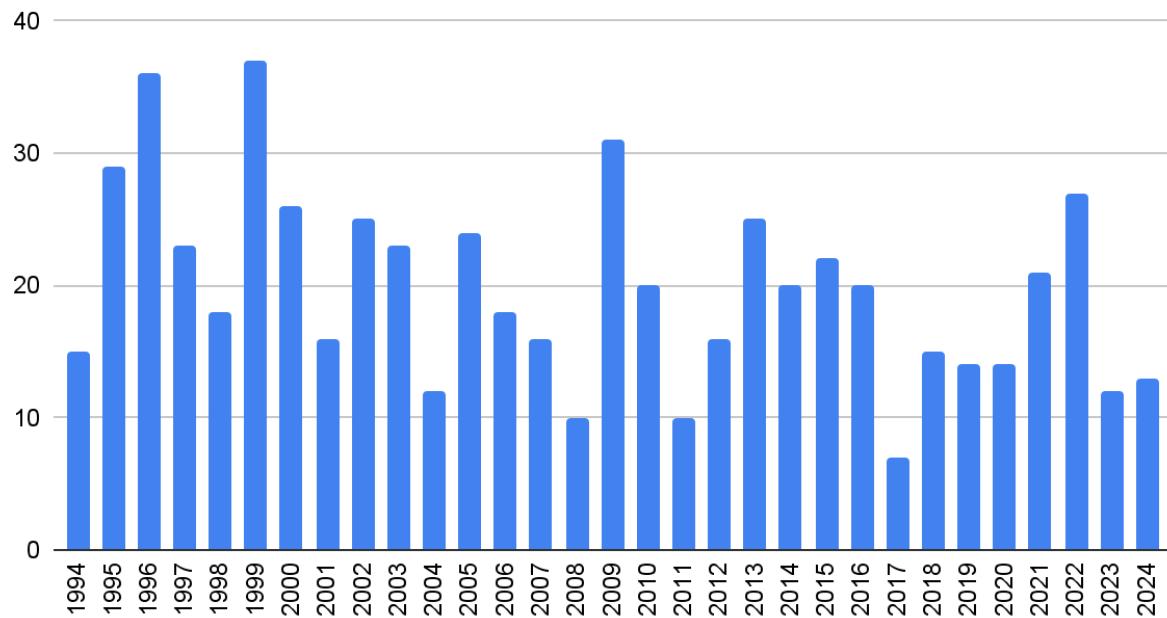
## Summary

Although there are nearly daily appearances of the local Merlins, migratory Merlins are not as common of a sight. On darker cloudy days or when the popular flightline leads to backlit birds, every small falcon gets extra focus to ensure the correct species - American Kestrels could be mistaken for Merlins if their characteristic flapping is not seen.

## 2024 Merlin Count vs Averages



## Merlin Yearly Season Count



# Peregrine Falcon



*Peregrine Falcon - 22 SEP 2024 - Sean Fraser*

## Statistics

First observation: **15 OCT**

Last observation: **1 NOV**

High daily count: **4 (7 OCT)**

Total count: **17**

Average yearly total since 1994: **19**

Average yearly total 2013-2023: **18**

Highest daily count: **9 (17 SEP 2004)**

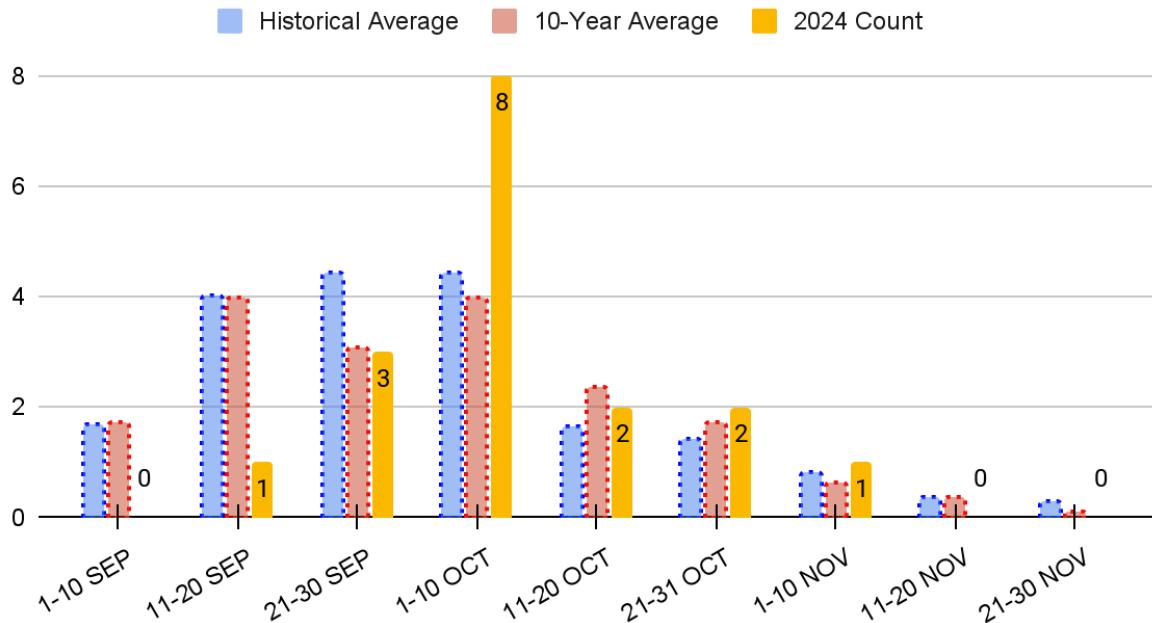
Highest year total: **42 (2003)**

Lowest year total: **2 (1994)**

## Summary

The number of Peregrine Falcons counted over Hawk Hill has been relatively stable over the last twenty years, which was continued again this year. Most Peregrine Falcons were seen at great height, but one swooped right over Hawk Hill and circled over the adjacent sugar bush of maples to gain altitude until it was only identifiable through binoculars before heading west.

## 2024 Peregrine Falcon Count vs Averages



## Peregrine Falcon Yearly Season Count

