




# Using large-scale citizen science ringing data as a means of calculating maximum longevity in birds



## Authors:

Dane M. Paijmans<sup>1</sup>   
 Sanjo Rose<sup>2</sup>   
 Hans-Dieter Oschadleus<sup>2</sup> 

## Affiliations:

<sup>1</sup>FitzPatrick Institute of African Ornithology, DST-NRF Centre of Excellence, University of Cape Town, Cape Town, South Africa

<sup>2</sup>School of Life Sciences, University of KwaZulu-Natal, Durban, South Africa

## Corresponding author:

Dane Paijmans,  
 d.paijmans@gmail.com

## Dates:

Received: 07 July 2018  
 Accepted: 20 Dec. 2018  
 Published: 17 Oct. 2019

## How to cite this article:

Paijmans, D.M., Rose, S. & Oschadleus, H-D., 2019, 'Using large-scale citizen science ringing data as a means of calculating maximum longevity in birds', *Bothalia* 49(1), a2389. <https://doi.org/10.4102/abc.v49i1.2389>

## Copyright:

© 2019. The Authors.  
 Licensee: AOSIS. This work is licensed under the Creative Commons Attribution License.

This article calculates estimates of avian longevity for southern African Passeriformes and demonstrates the impact citizen scientists have on data volumes curated by the South African Bird Ringing Unit (SAFRING). We calculated taxon-specific longevity records for 341 species from 33 families using ringing data collected between 1948 and 2017. An increase in active ringer participation over time correlated positively with an increase in retrap and recovery data, allowing for more reliable longevity calculations. These results highlight the significant contribution citizen scientists have made to bird ringing in southern Africa and identify data-deficient taxa to which future ringing activities should be targeted.

**Keywords:** SAFRING; banding; Passeriformes; Passerine; senescence; lifespan; age.

## Introduction

Measures of longevity (i.e. maximum lifespan) are important for estimating a species' survival and persistence (Wasser & Sherman 2010). As survival and recruitment are often difficult to calculate, longevity measures can provide an alternative means of estimating these values. Furthermore, for small birds, longevity indirectly gives a reasonable measure of fecundity as these species reach sexual maturity at an early age (Rising & Bonan 2017).

Citizen scientists are informed and trained members of the public who devote their own resources to a scientific study while not necessarily having any formal scientific training (Haklay 2013). This contribution can improve the quality of research by allowing for greater sampling over larger geographic ranges and timescales. A well-established field of citizen science is bird ringing, where trained volunteers fit rings or tags onto birds for future identification. This is a reliable method of quantifying survival, senescence, recruitment and dispersal of wild birds (Baillie 2001; Robinson, Julliard & Saracco 2009), and is an effective means of estimating longevity.

Bird ringing was started in southern Africa in 1948 by the South African Ornithological Society, later known as the South African Bird Ringing Unit (SAFRING) (Elliott 1971). The South African Bird Ringing Unit manages over 2.6 million ringing records from over 200 active ringers producing over 80 000 records annually across southern Africa (Paijmans, Catto & Oschadleus 2017). In this study, we aim to understand the impact citizen science has on the data volumes and accuracy of bird longevity estimates in the Order Passeriformes and produce an updated list of species-specific longevity records. Passeriformes have a large global geographic distribution consisting of 6456 species, of which 662 occur in southern Africa (BirdLife International 2017; Gill & Donsker 2016). As many Passeriformes have a close relationship to humans (Lever 2010; Rising & Bonan 2017), they are an ideal order for studies by citizen scientists.

## Methods

The South African Bird Ringing Unit digitises all reported resightings, recaptures and recoveries of birds ringed with SAFRING rings, as well as foreign rings reported in Africa. Records (i.e. initial ringing, recapture, resighting and recovery) of southern African Passeriformes were extracted from this database in March 2018, along with the numbers and details of active ringers (i.e. those that ringed at least one Passeriformes in a given year). Using counts of active ringers per year, we assessed trends in annual ringing effort from 1948 to 2017 and plotted their distribution.

We used correlation analyses to determine how the number of active ringers influenced the total ringing output (i.e. number of birds ringed or recaptured in a year). The reporting rate, that is, the percentage of initial birds ringed that were subsequently reported, was calculated for each family.

## Read online:



Scan this QR code with your smart phone or mobile device to read online.

Longevity records were calculated for all species where both initial and reported records were available. Longevity was calculated as the maximum time lapsed (days and years) between the date of the initial ringing record and the final date on which the bird was either retrapped or recovered. Consequently, longevity values are minimum values. The longevity records were verified by the original reports submitted to SAFRING. Records noted as only 'rings found' or 'well-decomposed carcass found' were omitted from longevity reports owing to ambiguity of date of death. In instances where birds recovered in southern Africa had been ringed elsewhere, the initial record data for those individuals were sourced from the relevant ringing schemes. Retrap and recovery records were also compared by calculating ages at first ringing, percentages of records related to ringers and apparent causes of death.

Occasionally, rings start to wear and are thus replaced (or a new ring is added). In these cases, all ring numbers put on an individual bird are listed for longevity records.

## Ethical considerations

This article followed all ethical standards for research without direct contact with human or animal subjects.

## Results

A total of 1 810 199 records (1 678 397 initial, 123 922 retraps and/or resightings and 7880 recoveries) were reported for the Order Passeriformes (Table 1) by 872 active ringers across southern Africa (Figure 1) between 1948 and 2017. In that period, there was an increasing trend in the number of active ringers per year (slope = 2.72 active ringers per year) (Figure 2a). On average,  $16.03 \pm 8.93$  new ringers registered each year. Most of the registered Passeriformes ringers were citizen scientists, and many of those ringing professionally also ringed recreationally. Similarly, there was an increasing trend in the number of initial (slope = 888.35 initial records per year) and subsequent (slope = 194.55 subsequent records per year) ring records per year (Figure 2a). The increase in active ringers had a positive correlation to the number of initial (slope = 340.11 initial records per active ringer,  $R^2 = 0.93$ ,  $p < 0.001$ ) and subsequent (slope = 66.73 subsequent records per active ringer,  $R^2 = 0.86$ ,  $p < 0.001$ ) records per year (Figure 2b).

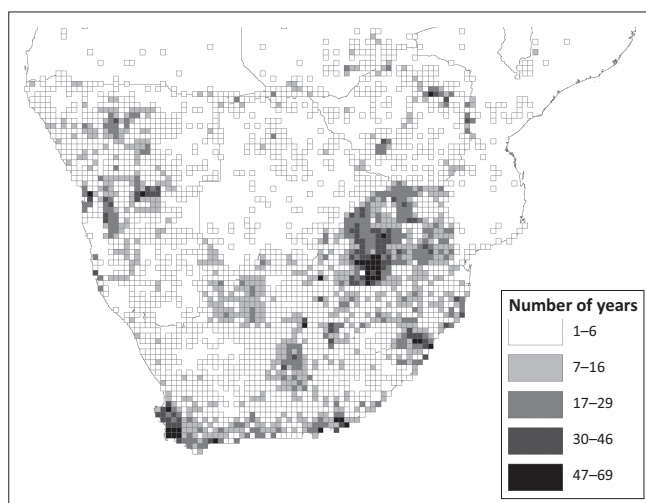
The number of initial records was positively correlated with the number of retrap records (slope = 0.034 retraps per

**TABLE 1:** Maximum longevity records curated by the South African Bird Ringing Unit for each of the southern African Passeriformes families.

Family	Species count	Longevity (years, months, days)	RR	Records (initial, retrap and/or sighting, recovery, total)
Ploceidae (weavers, widowbirds)	27	7847 (21y 5m 23d)	4.5	(574 433, 23 878, 2141, 600 452)
Sturnidae (starlings, <i>rhabdornis</i> )	14	6935 (18y 11m 26d)	4.6	(21 967, 686, 321, 22 974)
Pycnonotidae (bulbuls)	9	6378 (17y 5m 16d)	8.2	(68 575, 5254, 374, 74 203)
Muscicapidae (chats, Old World Flycatchers)	41	6374 (17y 5m 12d)	16.5	(55 260, 8799, 337, 64 396)
Turdidae (thrushes)	3	5872 (16y 0m 28d)	11.7	(23 196, 2379, 340, 25 915)
Malaconotidae (bushshrikes)	23	5860 (16y 0m 16d)	8.6	(12 902, 1044, 61, 14 007)
Nectariniidae (sunbirds)	18	5420 (14y 10m 1d)	8.3	(55 999, 4455, 174, 60 628)
Promeropidae (sugarbirds)	2	5340 (14y 7m 14d)	11.2	(12 325, 1332, 50, 13 707)
Sylviidae (sylviid babblers)	32	4808 (13y 1m 29d)	12.3	(73 301, 8918, 109, 82 328)
Platysteiridae (wattle-eyes, batises)	6	4787 (13y 1m 9d)	7.4	(5154, 371, 11, 5536)
Motacillidae (wagtails, pipits)	11	4760 (13y 0m 12d)	5.7	(13 244, 658, 94, 13 996)
Estrildidae (waxbills, munias and allies)	24	4624 (12y 7m 27d)	9.9	(158 228, 15 293, 382, 173 903)
Passeridae (Old World Sparrows, snowfinches)	6	4622 (12y 7m 24d)	19.9	(117 732, 21 954, 1527, 141 213)
Laniidae (shrikes)	5	4597 (12y 7m 2d)	10.4	(10 699, 1018, 100, 11 817)
Alaudidae (larks)	15	4460 (12y 2m 19d)	5.2	(6623, 333, 10, 6966)
Dicruridae (drongos)	2	4431 (12y 1m 18d)	5.7	(2954, 152, 15, 3121)
Fringillidae (finches)	14	4243 (11y 7m 13d)	9.4	(44 252, 4041, 101, 48 394)
Hirundinidae (swallows, martins)	17	4055 (11y 1m 6d)	3.0	(239 505, 5858, 1273, 246 636)
Zosteropidae (white-eyes)	3	3968 (10y 10m 9d)	9.4	(82 417, 7486, 242, 90 145)
Cisticolidae (cisticolas and allies)	33	3796 (10y 4m 20d)	16.6	(49 021, 8041, 97, 57 159)
Paridae (tits, chickadees)	6	3787 (10y 4m 12d)	8.6	(1968, 166, 4, 2138)
Corvidae (crows, jays)	2	3421 (9y 4m 13d)	8.9	(191, 5, 12, 208)
Monarchidae (monarchs)	2	3397 (9y 3m 19d)	5.6	(3492, 188, 9, 3689)
Emberizidae (buntings and allies)	5	3266 (8y 11m 8d)	2.2	(27 293, 584, 15, 27 892)
Leiothrichidae (babblers)	4	3018 (8y 3m 4d)	11.4	(3063, 331, 18, 3412)
Eurylaimidae (broadbills)	1	2986 (8y 2m 2d)	18	(161, 27, 2, 190)
Viduidae (indigobirds, whydahs)	7	2887 (7y 10m 26d)	4.3	(11 474, 459, 40, 11 973)
Oriolidae (figbirds, orioles)	3	1955 (5y 4m 5d)	5.9	(1071, 55, 8, 1134)
Coraciidae (rollers)	2	1561 (4y 3m 8d)	3.5	(1157, 34, 6, 1197)
Nicatoridae (nicator)	1	1398 (3y 9m 29d)	6.2	(113, 7, 0, 120)
Campephagidae (cuckooshrikes)	1	1075 (2y 11m 10d)	6.4	(314, 15, 5, 334)
Remizidae (penduline tits)	1	1031 (2y 9m 28d)	25.8	(426, 108, 2, 536)
Chaetopidae (rock-jumper)	1	400 (1y 1m 4d)	11.3	(133, 15, 0, 148)

Note: Species count is the number of species for the family in southern Africa. RR, reporting rate (%).

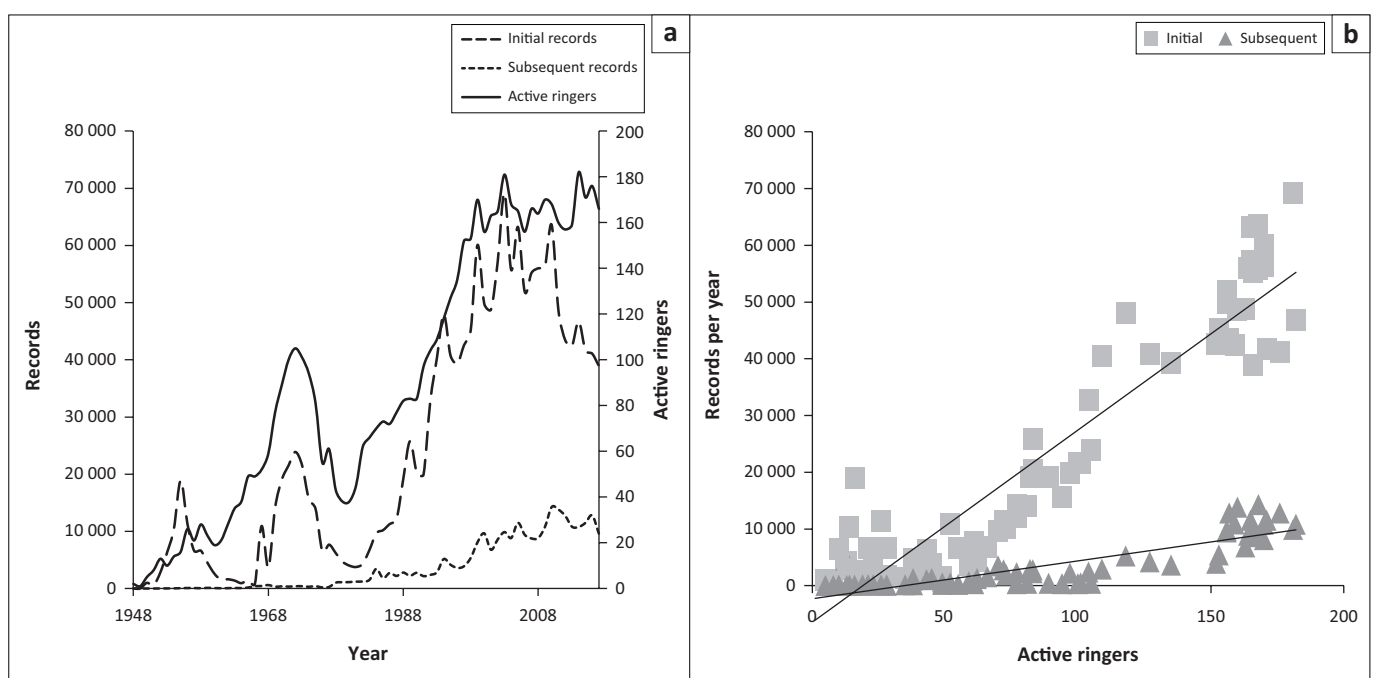
initial records) and recovery records (slope = 0.0043 recoveries per initial records) for each species (Figure 3a, b, Appendix 1). This indicates that species with a greater initial ringing effort were more likely to be resampled. Species that did not conform to this pattern were the: Sociable Weaver (*Philetairus socius*) – 17 870 initial records, 10 399 retraps and 770 recoveries; White-browed Sparrow-Weaver (*Plocepasser mahali*) – 8793 initial records, 6759 retraps and 46 recoveries; Red-billed Quelea (*Quelea quelea*) – 149 838 initial records, 286 retraps and 551 recoveries; and the Barn Swallow (*Hirundo rustica*) – 185 047 initial records, 1189 retraps and 898 recoveries (Figure 3a, 3b). These outlier species were part of intensive and coordinated studies undertaken by professional researchers (Underhill, Oatley & Berruti 1995) and subject to greater initial and/or



**FIGURE 1:** Distribution of ringing effort across southern Africa. The quarter degree cells are shaded according to the number of calendar years that ringers were active between 1948 and 2017.

subsequent trapping effort compared to other species in this study.

Longevity records were calculated for 341 (51%) southern African Passeriformes species. A maximum longevity of > 5 years was recorded for 200 of these species, with 68 of these being > 10 years (Appendix 1). The maximum longevity record belongs to the Ploceidae, the Thick-billed Weaver (*Amblyospiza albifrons*), with a record of 21 years 5 months and 23 days (7847 days) (Table 1, Appendix 1, Oschadleus 2018). When grouping records by family, there was a significant correlation between the number of initial and subsequent records collected, and the maximum age recorded. The greatest species longevity of each family positively correlated to both the initial ( $R^2 = 0.52$ ) and subsequent ( $R^2 = 0.52$ ) record numbers (Figure 4a, 4b). The average reporting rate for the Passeriformes families was  $9.3\% \pm 5.4\%$ . When comparing the longevity values calculated in this study to published species survival values (Table 2), a weak correlation was found ( $R^2 = 0.12$ ,  $p < 0.001$ ). Of the initial records with a known age, 92.13% were adults ( $n = 1\ 439\ 689$ ), 7.87% were chicks and juveniles ( $n = 122\ 926$ ) and 124 056 were listed as of unknown age. Most recovery records were received from the general public (72.1%). Causes of death were not reported for 43.8% of the recoveries, but for those with known causes, the following were most common: killed or attacked by domestic pet (18.4%), sick or injured (11.5%), collisions with windows and buildings (14.3%), shot (10.3%) and poisoned (10.4%). Most resightings were handled by qualified ringers (> 98%) with the remainder being sighted in the field (either metal or colour-ringed).



**FIGURE 2:** (a) Number of active ringers and Passeriformes records per year and (b) the number of active ringers compared to initial and subsequent records per year.

## Discussion

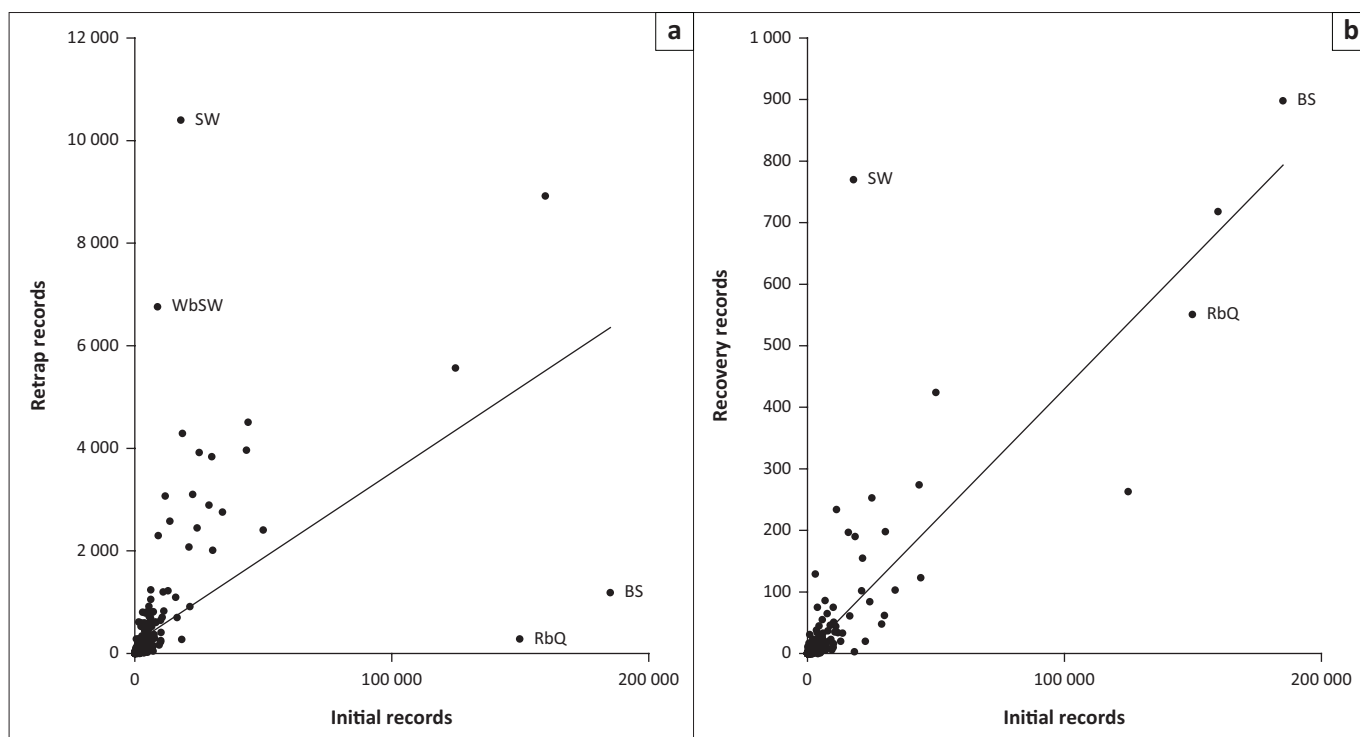
Citizen scientists have made a large and valuable contribution to the collection and collation of mass bird ringing data for Passeriformes in southern Africa. Using the current SAFRING data set, it was possible to calculate longevity values for 51% of southern African Passeriformes. The remaining 49% of species either had no ringing records or no resightings. Accurate quantifying of survival, maximum longevity and movement measures rely on mass data collection as large numbers of subsequent sightings are needed. This study found that large numbers of initial records are needed to get the most retraps (an average of 34 retraps were produced for every 1000 birds ringed) and recoveries (an average of 4.3 recoveries were produced for every 1000 birds ringed) to calculate these values. Citizen scientists can contribute the bulk of these data throughout a species range at little to no cost for research institutions, and the more citizen scientists actively contributing data, the more reliable the longevity estimates. In addition, non-ringing citizen scientists were essential as the bulk of the recoveries were submitted by them.

Reporting rates were relatively low for Passeriformes, despite their apparent abundance in urban areas and ease of trapping. Predation of smaller birds may result in low reporting rates as the bodies may be consumed before being sighted. For some species, this is because they are short lived or seasonal, resulting in a low probability of recapture. Studies requiring greater search effort and more laborious trapping are usually undertaken by professional researchers at specific sites but will make use of citizen ringers for help (i.e. Sociable Weaver

Project, Barn Swallow Project and Red-billed Quelea Project [Underhill, Oatley & Berruti 1995]). This coordinated effort is a likely cause for the irregular initial records to retrap count ratios seen in Figure 3, as these sites will either have constant ringing effort producing many retraps compared to initial records (as seen with the Sociable Weavers) or concentrated ringing effort producing limited retraps compared to initial records (as seen with the migrant Barn Swallow and Red-billed Quelea).

Citizen scientists involved in bird ringing are unique as they must undergo rigorous training to qualify to trap the birds, ensuring that the data collecting procedures are standardised within a scheme (De Beer et al. 2001). When in-hand, individual bird health, age, moult and measurements can be recorded (De Beer et al. 2001). The data accumulated by bird ringing can set 'benchmark' numbers for populations of common urban and/or garden species, which can be useful when detecting population change. Data highlighting this change would be most notable within highly populated areas, as ringing effort has been most consistent in these regions (Figure 1). Citizen ringing effort is usually sustained longer than most research projects, providing continuous, long-term data sets. This is especially important for threatened or invasive species where more detailed population-level analyses are required.

Two studies have analysed survival rates of southern African birds with the use of ring recovery records (Collingham et al. 2014; Peach, Hanmer & Oatley 2001). A total of 54 species survival rates were calculated with four of these being listed in both studies (Table 2). For the Sombre Greenbul



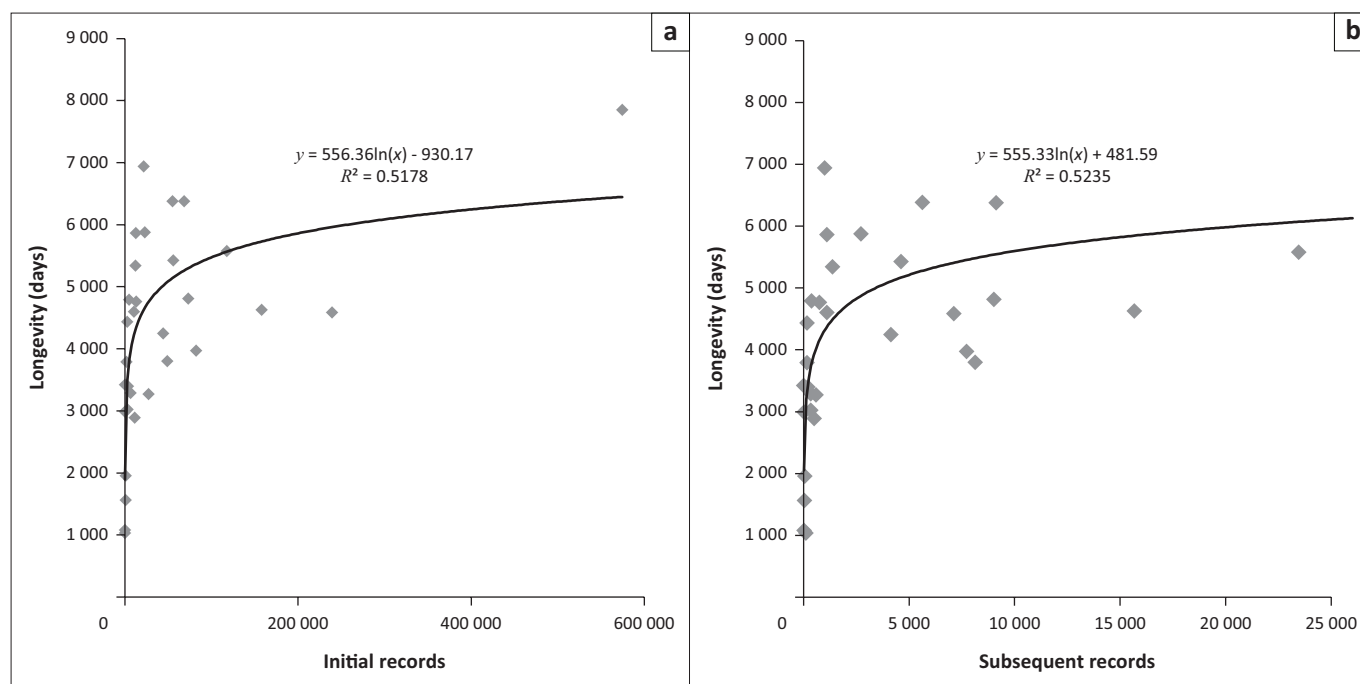
**FIGURE 3:** (a) Number of initial ringing records compared to retrap and (b) recovery records of each Passeriforme species (linear trend line displayed). Outlier points are SW, Sociable Weaver, WbSW, White-browed Sparrow-Weaver, RbQ, Red-billed Quelea, BS, Barn Swallow.

**TABLE 2:** Published annual survival estimates (as %) compared to longevity records from this study.

Species	Survival	Source	Longevity
Thick-billed Weaver ( <i>Amblyospiza albifrons</i> )	63.6	2	21y 5m 23d
Red-winged Starling ( <i>Onychognathus morio</i> )	70.5	2	18y 11m 26d
Cape Robin-Chat ( <i>Cossypha caffra</i> )	71.7	2	17y 5m 12d
Olive Thrush ( <i>Turdus olivaceus</i> )	64.9	2	16y 0m 28d
Southern Masked-Weaver ( <i>Ploceus velatus</i> )	62.8	2	15y 4m 9d
Southern Red Bishop ( <i>Euplectes orix</i> )	71.5, 59.3	1,2	15y 2m 5d
Cape Sugarbird ( <i>Promerops cafer</i> )	62.7	2	14y 7m 14d
Dark-capped Bulbul ( <i>Pycnonotus tricolor</i> )	71.1	2	14y 10m 15d
Cape Weaver ( <i>Ploceus capensis</i> )	65.5	2	13y 7m 22d
Lesser Swamp-Warbler ( <i>Acrocephalus gracilirostris</i> )	55.7	1	13y 1m 29d
Village Weaver ( <i>Ploceus cucullatus</i> )	66.5	2	13y 11m 8d
Cape Wagtail ( <i>Motacilla capensis</i> )	67.3	2	13y 0m 12d
Sombre Greenbul ( <i>Andropadus importunus</i> )	68.1, 65.2	1, 2	12y 9m 12d
Common Fiscal ( <i>Lanius collaris</i> )	61.6	2	12y 7m 2d
Blue Waxbill ( <i>Uraeginthus angolensis</i> )	46.6, 56.5	1, 2	12y 7m 27d
Southern Brown-throated Weaver ( <i>Ploceus xanthopterus</i> )	69.6	1	12y 5m 16d
African Reed-warbler ( <i>Acrocephalus baeticatus</i> )	76.5	1	12y 2m 15d
African Red-eyed Bulbul ( <i>Pycnonotus nigricans</i> )	62.6	2	12y 0m 6d
White-browed Robin-Chat ( <i>Cossypha heuglini</i> )	83.3	1	11y 9m 0d
Brimstone Canary ( <i>Serinus sulphuratus</i> )	52.2	1	11y 7m 13d
Fiscal Flycatcher ( <i>Sigelus silens</i> )	63.1	2	11y 5m 1d
Cape Bulbul ( <i>Pycnonotus capensis</i> )	62.8	2	11y 4m 5d
White-browed Sparrow-Weaver ( <i>Plocepasser mahali</i> )	55.6	2	11y 3m 18d
Yellow Bishop ( <i>Euplectes capensis</i> )	54.0	1	11y 0m 27d
Terrestrial Brownbul ( <i>Phyllastrephus terrestris</i> )	73.7	1	10y 8m 14d
Yellow-fronted Canary ( <i>Serinus mozambicus</i> )	64.8	1	10y 5m 17d
Yellow-breasted Apalis ( <i>Apalis flavida</i> )	68.0	1	10y 4m 20d
Cape Sparrow ( <i>Passer melanurus</i> )	57.8	2	10y 11m 4d
Collared Sunbird ( <i>Anthreptes collaris</i> )	75.7	1	10y 0m 8d
Tawny-flanked Prinia ( <i>Prinia subflava</i> )	59.8	1	10y 0m 14d
Malachite Sunbird ( <i>Nectarinia famosa</i> )	62.7	2	10y 0m 14d
Southern Grey-headed Sparrow ( <i>Passer diffusus</i> )	50.3	2	9y 3m 0d
Wire-tailed Swallow ( <i>Hirundo smithii</i> )	63.5	1	9y 2m 7d
Scarlet-chested Sunbird ( <i>Nectarinia senegalensis</i> )	90.3	1	9y 2m 11d
Bleating Warbler ( <i>Camaroptera brachyura</i> )	73.5	1	9y 1m 24d
Mountain Wagtail ( <i>Motacilla clara</i> )	75.3	2	9y 1m 18d
Common Waxbill ( <i>Estrilda astrild</i> )	61.2, 40.8	1, 2	8y 8m 0d
Green-backed Camaroptera ( <i>Camaroptera brachyura</i> )	73.5	1	8y 7m 10d
Variable Sunbird ( <i>Nectarinia venusta</i> )	54.9	1	8y 3m 25d
South African Cliff-Swallow ( <i>Hirundo spilodera</i> )	38.2	2	8y 3m 11d
Red-headed Finch ( <i>Amadina erythrocephala</i> )	42.0	2	8y 2m 17d
Great Reed-Warbler ( <i>Acrocephalus arundinaceus</i> )	59.0	1	8y 1m 11d
Long-billed Crombec ( <i>Sylvietta rufescens</i> )	79.5	1	8y 0m 5d
Red-faced Cisticola ( <i>Cisticola erythrops</i> )	52.9	1	7y 5m 6d
Red-billed Quelea ( <i>Quelea quelea</i> )	25.0	2	7y 4m 2d
Basra Reed-Warbler ( <i>Acrocephalus griseldis</i> )	63.8	1	7y 11m 7d
Pin-tailed Whydah ( <i>Vidua macroura</i> )	63.7	2	7y 10m 26d
Purple-banded Sunbird ( <i>Nectarinia bifasciata</i> )	76.1	1	7y 10m 24d
Green-winged Pytilia ( <i>Pytilia melba</i> )	51.9	1	7y 10m 10d
Village Indigobird ( <i>Vidua chalybeata</i> )	54.2	1	6y 2m 18d
Copper Sunbird ( <i>Nectarinia cuprea</i> )	59.9	1	6y 0m 15d
Red-billed Firefinch ( <i>Lagonosticta senegala</i> )	22.8	1	5y 4m 11d
Jameson's Firefinch ( <i>Lagonosticta rhodopareia</i> )	49.9	1	5y 0m 23d
Garden Warbler ( <i>Sylvia borin</i> )	54.0	1	4y 11m 11d

Note: Sources column data -

1, Peach, W.J., Hanmer, D.B. & Oatley, T.B., 2001, 'Do southern African songbirds live longer than their European counterparts?', *Oikos* 93, 235–249. <https://doi.org/10.1034/j.1600-0706.2001.930207.x>  
 2, Collingham, Y.C., Huntley, B., Altwegg, R., Barnard, P., Beveridge, O.S., Gregory, R.D. et al., 2014, 'Prediction of mean adult survival rates of southern African birds from demographic and ecological covariates', *Ibis* 156(4), 741–754. <https://doi.org/10.1111/ibi.12195>



**FIGURE 4:** Number of (a) initial and (b) subsequent records compared to maximum longevity (days) of each Passeriformes family (logarithmic trend line displayed).

(*Andropadus importunus*), both studies had similar survival rates, while there were large differences (10% – 20%) for the other three species. This highlights the difficulties of working with estimates calculated from limited samples and emphasises the need for active ringing to take place across large temporal and spatial scales.

## Conclusion

While the contribution of citizen ringers to research projects in southern Africa is clearly valuable, these results identify gaps in the ringing data and highlight many of the species requiring additional sampling effort. Table 1 identifies the Passeriformes families that are likely data deficient as most of the families were able to achieve longevities of over 10 years, while those obtaining longevity records of less than 5 years, such as the Chaetopidae, likely require a greater ringing effort. To increase the reliability of longevity estimates, coordinated ringing activities should target sites where data-deficient Passeriformes species occur.

## Acknowledgements

The authors would like to thank all SAFRING ringers and the general public (the latter in reporting recoveries) that have taken part in ringing and resighting in southern Africa. They specially thank Bennie van den Brink, Ursula Franke-Bryson, Kobie Raijmakers, Gerrie Grobler and Margaret McCall whose data made up over 12% of all initial Passeriformes records processed for this article.

## Competing interests

The authors declare that they have no financial or personal relationships that may have inappropriately influenced them in writing this article.

## Authors' contributions

D.M.P., S.R. and H.D.O. contributed to the design and implementation of the research, analysis of the results and writing of the manuscript.

## Funding

The South African Bird Ringing Unit was sponsored by the South African National Biodiversity Institute, Vulpro and the Namibian Ministry of Wildlife and Tourism. The University of Cape Town provided accommodation and services.

## Data availability statement

Data sharing is not applicable to this article as no new data were created or analysed in this study.

## Disclaimer

The views and opinions expressed in this article are those of the authors and do not necessarily reflect the official policy or position of any affiliated agency of the authors.

## References

- Baillie, S., 2001, 'The contribution of ringing to the conservation and management of bird populations: A review', *Ardea* 89(1), 167–184.
- BirdLife International, 2017, *The IUCN red list of threatened species 2017*, viewed 24 March 2018, from <http://www.iucnredlist.org/>
- Collingham, Y.C., Huntley, B., Altwegg, R., Barnard, P., Beveridge, O.S., Gregory, R.D. et al., 2014, 'Prediction of mean adult survival rates of southern African birds from demographic and ecological covariates', *Ibis* 156(4), 741–754. <https://doi.org/10.1111/ibi.12195>
- De Beer, S.J., Lockwood, G.M., Raijmakers, J.H.F.A., Raijmakers, J.M.H., Scott, W.A., Oschadleus, H.D. et al., 2001, *SAFRING bird ringing manual*, 2nd edn., Animal Demography Unit, Cape Town.
- Elliott, C.C.H., 1971, 'Bird ringing in Southern Africa', in K. Newman (ed.), *Birdlife in southern Africa*, pp. 217–226, Purnell & sons, Johannesburg.
- Gill, F. & Donsker, D. (eds.), 2016, *IOC world bird list (v 6.2)*, viewed n.d., from <http://www.worldbirdnames.org>

- Haklay, M., 2013, *Citizen science and volunteered geographic information: Overview and typology of participation*, in A. Ballatore, M. Bertolotto & D.C. Wilson (eds.), *Crowdsourcing geographic knowledge*, pp. 105–122, Springer, Netherlands.
- Lever, C., 2010, *Naturalised birds of the world*, T & D Poyser Monographs, London.
- Oschadleus, H.D., 2018, 'Thick-billed Weaver longevity', *Hornbill* 128, 32.
- Paijmans, D.M., Catto, S. & Oschadleus, H.D., 2017, 'SAFRING ringing report for 2016', *Biodiversity Observations* 8(36), 1–8.
- Peach, W.J., Hanmer, D.B. & Oatley, T.B., 2001, 'Do southern African songbirds live longer than their European counterparts?', *Oikos* 93, 235–249. <https://doi.org/10.1034/j.1600-0706.2001.930207.x>
- Rising, J. & Bonan, A., 2017, 'Old world buntings (*Emberizidae*)', in J. del Hoyo, A. Elliott, J. Sargatal, D. Christie & E. de Juana (eds.), *Handbook of the birds of the world alive*, viewed 25 March 2018, from <https://www.hbw.com>
- Robinson, R.A., Julliard, R. & Saracco, J.F., 2009, 'Constant effort: Studying avian population processes using standardised ringing', *Ringin & Migration* 24(3), 199–204. <https://doi.org/10.1080/03078698.2009.9674392>
- Underhill, L.G., Oatley, T.B., Berruti, A., 1995, *Bird ringing in southern Africa. Projects for the future*, ADU Guide 2, Avian Demography Unit, Cape Town.
- Wasser, D.E. & Sherman, P.W., 2010, 'Avian longevities and their interpretation under evolutionary theories of senescence', *Journal of Zoology* 280, 103–155. <https://doi.org/10.1111/j.1469-7998.2009.00671.x>

Appendix starts on the next page →

## Appendix 1

TABLE 1-A1: Top SAFRING longevity records of southern African Passeriformes species.

Family	Species	Longevity (days)	Longevity (years)	Initial date	Final date	Ring number/s	Initial age	Sex	Records (initial, retrap/sighting, recovery, total)
Alaudidae	Short-clawed Lark ( <i>Certhilauda chuana</i> )	4460	12y 2m 19d	2005-05-24	2017-08-09	BE16474, BB86324, BC09975	Adult	Male	(111, 16, 0, 127)
Alaudidae	Dune Lark ( <i>Certhilauda erythrochlamys</i> )	4107	11y 2m 29d	2000-05-19	2011-08-16	FA03676, FH13465, FH46990	Adult	Male	(64, 28, 1, 93)
Alaudidae	Sabota Lark ( <i>Mirafra sabota</i> )	2716	7y 5m 6d	2002-09-15	2010-02-21	BD96242	Adult	Unknown	(1003, 70, 1, 1074)
Alaudidae	Spike-heeled Lark ( <i>Chersomanes albofasciata</i> )	2024	5y 6m 14d	2011-06-20	2017-01-03	FB02429	Adult	Male	(292, 6, 0, 298)
Alaudidae	Karoo Long-billed Lark ( <i>Certhilauda subcarinata</i> )	1844	5y 0m 18d	2010-12-30	2016-01-17	CC83770	Adult	Unknown	(100, 8, 0, 108)
Alaudidae	Pink-billed Lark ( <i>Spizocorys conirostris</i> )	1803	4y 11m 7d	2010-05-16	2015-04-23	AP43300	Adult	Female	(149, 3, 1, 153)
Alaudidae	Chestnut-backed Sparrow-lark ( <i>Eremopterix leucotis</i> )	1728	4y 8m 23d	2008-04-16	2013-01-08	AM84966	Adult	Female	(463, 10, 1, 474)
Alaudidae	Red-capped Lark ( <i>Calandrella cinerea</i> )	1406	3y 10m 5d	2008-03-26	2012-01-31	GA73371	Adult	Unknown	(782, 18, 2, 802)
Alaudidae	Rufous-naped Lark ( <i>Mirafra africana</i> )	833	2y 3m 10d	2007-08-18	2009-11-28	CV38081	Adult	Unknown	(389, 24, 0, 413)
Alaudidae	Stark's Lark ( <i>Eremalauda starki</i> )	710	1y 11m 11d	2013-01-12	2014-12-23	FH34421	Adult	Unknown	(1416, 125, 1, 1542)
Alaudidae	Eastern Clapper Lark ( <i>Mirafra fasciolata</i> )	644	1y 9m 5d	2008-12-13	2010-09-18	FH21967	Adult	Unknown	(37, 4, 0, 41)
Alaudidae	Barlow's Lark ( <i>Colendulauda barlowi</i> )	345	0y 11m 9d	2015-10-07	2016-09-16	FH75302	Adult	Male	(12, 3, 0, 15)
Alaudidae	Fawn-coloured Lark ( <i>Mirafra africanoides</i> )	57	0y 1m 27d	2006-11-10	2007-01-06	AM76845	Adult	Unknown	(200, 4, 0, 204)
Alaudidae	Large-billed Lark ( <i>Galerida magnirostris</i> )	52	0y 1m 22d	1994-11-30	1995-01-21	BC48893	Immature	Unknown	(26, 2, 0, 28)
Alaudidae	Gray's Lark ( <i>Ammomanes grayi</i> )	43	0y 1m 12d	2006-07-17	2006-08-29	AC27980	Adult	Male	(16, 2, 1, 19)
Alaudidae	Grey-backed Sparrow-Lark ( <i>Eremopterix verticalis</i> )	2	0y 0m 2d	2015-01-18	2015-01-20	AR59913	1/2 to 1 year	Female	(1126, 2, 1, 1129)
Campophagidae	Black Cuckooshrike ( <i>Campephaga flava</i> )	1075	2y 11m 10d	1999-01-10	2001-12-20	BB89262	Adult	Female	(290, 13, 3, 306)
Chaetoptidae	Cape Rockjumper ( <i>Chaetops frenatus</i> )	400	1y 1m 4d	2014-12-23	2016-01-27	CA28403	Adult	Female	(133, 15, 0, 148)
Cisticolidae	Yellow-breasted Apalis ( <i>Apalis flavidia</i> )	3796	10y 4m 20d	1978-05-23	1988-10-13	AA55801	Adult	Male	(774, 59, 0, 833)
Cisticolidae	Bar-throated Apalis ( <i>Apalis thoracica</i> )	3704	10y 1m 21d	1993-12-16	2004-02-06	AD65836	Adult	Unknown	(4249, 798, 12, 5059)
Cisticolidae	Tawny-flanked Prinia ( <i>Prinia subflava</i> )	3667	10y 0m 14d	1996-02-04	2006-02-18	AE24045	Adult	Unknown	(6222, 1056, 9, 7287)
Cisticolidae	Levaillant's Cisticola ( <i>Cisticola tinniens</i> )	3377	9y 2m 28d	2007-08-11	2016-11-08	AM78148	Adult	Unknown	(9070, 2298, 23, 11 391)
Cisticolidae	Bleating Warbler ( <i>Comaroptera brachyura</i> )	3342	9y 1m 24d	1974-03-04	1983-04-28	59117206	Juvenile	Unknown	(1886, 285, 3, 2174)
Cisticolidae	Green-backed Camaroptera ( <i>Camaroptera brachyura</i> )	3144	8y 7m 10d	2001-02-20	2009-09-30	AF61643	Adult	Unknown	(2252, 602, 2, 2856)
Cisticolidae	Karoo Prinia ( <i>Prinia maculosa</i> )	3101	8y 5m 27d	2007-11-14	2016-05-11	GA54461	Adult	Male	(4702, 810, 22, 5534)
Cisticolidae	Red-faced Cisticola ( <i>Cisticola erythrops</i> )	2716	7y 5m 6d	2005-05-08	2012-10-14	AM00681	Adult	Unknown	(783, 120, 2, 905)
Cisticolidae	Rudd's Apalis ( <i>Apalis ruddi</i> )	2660	7y 3m 12d	2008-08-05	2015-11-17	AM96721	Adult	Male	(232, 26, 1, 259)
Cisticolidae	Rufous-winged Cisticola ( <i>Cisticola galactotes</i> )	2625	7y 2m 9d	2006-01-29	2013-04-07	FA61008	Adult	Unknown	(370, 82, 0, 452)
Cisticolidae	Neddicky (Piping Cisticola) ( <i>Cisticola fulvicapillus</i> )	2555	6y 11m 28d	2010-07-24	2017-07-22	L30140	Adult	Unknown	(3890, 441, 4, 4335)
Cisticolidae	Grey-backed Camaroptera ( <i>Camaroptera brevicaudata</i> )	2374	6y 5m 29d	2010-07-22	2017-01-20	AM99411	Adult	Male	(1524, 259, 2, 1785)
Cisticolidae	Black-chested Prinia ( <i>Prinia flavicans</i> )	2345	6y 5m 3d	2011-02-12	2017-07-15	AP29016	Adult	Unknown	(4635, 560, 9, 5204)
Cisticolidae	Rattling Cisticola ( <i>Cisticola chiniana</i> )	2203	6y 0m 12d	1981-11-12	1987-11-24	AB02024	Juvenile	Female	(2982, 257, 6, 3245)
Cisticolidae	Grey-backed Cisticola ( <i>Cisticola subruficapillus</i> )	1745	4y 9m 11d	2010-08-09	2015-05-20	L27205	Adult	Unknown	(717, 67, 0, 784)
Cisticolidae	Short-winged Cisticola ( <i>Cisticola brachypterus</i> )	1682	4y 7m 9d	1978-12-05	1983-07-14	AA56029	Adult	Unknown	(111, 10, 0, 121)
Cisticolidae	Lazy Cisticola ( <i>Cisticola aberrans</i> )	1604	4y 4m 21d	2003-06-07	2007-10-28	FA41087	Adult	Unknown	(551, 77, 1, 629)
Cisticolidae	Drakensberg Prinia ( <i>Prinia hypoxantha</i> )	1579	4y 3m 28d	2011-01-05	2015-05-03	AM76513	Adult	Unknown	(729, 68, 0, 792)
Cisticolidae	Walling Cisticola ( <i>Cisticola lais</i> )	1305	3y 6m 28d	2007-01-01	2010-07-29	AM46918	Adult	Female	(322, 16, 0, 338)
Cisticolidae	Barred Wren-Warbler ( <i>Calamanastes fasciolatus</i> )	1164	3y 2m 7d	2005-04-20	2008-06-27	AD69765	Adult	Unknown	(568, 35, 1, 604)
Cisticolidae	Chirping Cisticola ( <i>Cisticola pipiens</i> )	1159	3y 2m 2d	2005-09-21	2008-11-23	AM40944	Adult	Unknown	(85, 5, 0, 90)
Cisticolidae	Tinkling Cisticola ( <i>Cisticola ruflatus</i> )	1131	3y 1m 6d	2012-06-26	2015-08-01	AP26111	Adult	Unknown	(78, 13, 0, 91)
Cisticolidae	Croaking Cisticola ( <i>Cisticola natalensis</i> )	1015	2y 9m 11d	2002-09-21	2005-07-02	FA14760	Adult	Female	(206, 27, 0, 233)
Cisticolidae	Singing Cisticola ( <i>Cisticola cantans</i> )	796	2y 2m 5d	2000-11-09	2003-01-14	59101972	Adult	Female	(176, 15, 0, 191)

Table 1-A1 continues on the next page →



TABLE 1-A1 (Continues...): Top SAFRING longevity records of southern African Passeriformes species.

Family	Species	Longevity (days)	Longevity (years)	Initial date	Final date	Ring number/s	Initial age	Sex	Records (initial, retrap/sighting, recovery, total)
Cisticolidae	Namaqua Warbler ( <i>Phragmacia substriata</i> )	674	1y 10m 5d	2004-05-24	2006-03-29	AM15107	Adult	Unknown	(89, 3, 0, 92)
Cisticolidae	Desert Cisticola ( <i>Cisticola aridulus</i> )	519	1y 5m 4d	2006-02-05	2007-07-09	AM25485	Nestling/Pull	Unknown	(343, 7, 0, 350)
Cisticolidae	Cloud Cisticola ( <i>Cisticola textrix</i> )	463	1y 3m 7d	2010-09-14	2011-12-21	L04748	Adult	Unknown	(249, 18, 0, 267)
Cisticolidae	Pale-crowned Cisticola ( <i>Cisticola cinnamomeus</i> )	428	1y 2m 1d	2012-12-03	2014-02-04	L24605	Adult	Male	(121, 7, 0, 128)
Cisticolidae	Red-winged Warbler ( <i>Heliothraupis erythropterus</i> )	370	1y 0m 5d	2010-06-18	2011-06-23	AP20979	Adult	Unknown	(46, 10, 0, 56)
Cisticolidae	Luapula Cisticola ( <i>Cisticola luapula</i> )	366	1y 0m 1d	2014-01-24	2015-01-25	L42095	Adult	Male	(47, 2, 0, 49)
Cisticolidae	Zitting Cisticola ( <i>Cisticola juncidis</i> )	336	0y 11m 0d	2011-07-01	2012-06-01	W18995	Adult	Unknown	(697, 5, 0, 702)
Cisticolidae	Wing-snapping Cisticola ( <i>Cisticola ayresii</i> )	230	0y 7m 17d	2016-01-21	2016-09-07	L34483	Adult	Male	(178, 1, 0, 179)
Cisticolidae	Sterling's Wren-Warbler ( <i>Calamanastes stierlingi</i> )	135	0y 4m 13d	2014-08-09	2014-12-22	AP95858	Adult	Unknown	(63, 2, 0, 65)
Coraciidae	Lilac-breasted Roller ( <i>Coracias caudata</i> )	1561	4y 3m 8d	1994-05-07	1998-08-15	580515	Adult	Unknown	(925, 23, 5, 953)
Coraciidae	Purple Roller ( <i>Coracias naevia</i> )	1282	3y 6m 4d	1964-10-04	1968-04-08	63403404	Adult	Unknown	(201, 5, 1, 207)
Corvidae	Pied Crow ( <i>Corvus albus</i> )	3421	9y 4m 13d	1970-11-06	1980-03-19	600666	Nestling/Pull	Unknown	(132, 2, 11, 145)
Corvidae	Cape Crow ( <i>Corvus capensis</i> )	1082	2y 11m 16d	2007-07-12	2010-06-28	K29373	Adult	Unknown	(49, 3, 1, 53)
Dicruridae	Fork-tailed Drongo ( <i>Dicrurus adsimilis</i> )	4431	12y 1m 18d	1999-09-01	2011-10-19	4H09527	Immature	Unknown	(2687, 138, 14, 2839)
Dicruridae	Square-tailed Drongo ( <i>Dicrurus ludwigii</i> )	733	2y 0m 2d	2003-12-17	2005-12-19	BB52364	Adult	Female	(267, 14, 1, 282)
Emberizidae	Golden-breasted Bunting ( <i>Emberiza flaviventris</i> )	3266	8y 11m 8d	2003-12-21	2012-11-29	GA36778	Adult	Male	(3489, 85, 3, 3577)
Emberizidae	Cape Bunting ( <i>Emberiza capensis</i> )	2552	6y 11m 26d	1998-08-01	2005-07-27	AF12243	Adult	Unknown	(2743, 189, 4, 2936)
Emberizidae	Cinnamon-breasted Bunting ( <i>Emberiza tahapisi</i> )	1905	5y 2m 19d	2003-01-12	2008-03-31	GA36214	Adult	Male	(2755, 33, 4, 2792)
Emberizidae	Lark-like Bunting ( <i>Emberiza impetuani</i> )	1565	4y 3m 14d	2009-12-16	2014-03-30	AM66181	Adult	Unknown	(18 276, 277, 3, 18 556)
Emberizidae	Cabanis's Bunting ( <i>Emberiza cabanis</i> )	1122	3y 0m 26d	1970-05-29	1973-06-24	A33867	Adult	Female	(30, 0, 1, 31)
Estrildidae	Blue Waxbill ( <i>Uraeginthus angolensis</i> )	4624	12y 7m 27d	1996-06-25	2009-02-21	AD11424	Juvenile	Unknown	(28 880, 2894, 48, 31 822)
Estrildidae	Common Waxbill ( <i>Estrilda astrild</i> )	3166	8y 8m 0d	1991-07-12	2000-03-12	X68941	Adult	Unknown	(24 276, 2451, 84, 26 811)
Estrildidae	Red-headed Finch ( <i>Amadina erythrocephala</i> )	3000	8y 2m 17d	1998-11-15	2007-02-01	AF00528	Adult	Male	(29 946, 3836, 62, 33 844)
Estrildidae	Violet-eared Waxbill ( <i>Uraeginthus granatina</i> )	2906	7y 11m 15d	1993-08-19	2001-08-03	X81628	Adult	Female	(7471, 372, 10, 7853)
Estrildidae	Green-winged Pytilia ( <i>Pytilia melba</i> )	2871	7y 10m 10d	2009-05-01	2017-03-11	AP37758	Adult	Male	(12 945, 1223, 20, 14188)
Estrildidae	African (blue-billed) Firefinch ( <i>Lagonosticta rubricata</i> )	2225	6y 1m 3d	1997-10-26	2003-11-29	W27506	Adult	Unknown	(3168, 167, 4, 3339)
Estrildidae	Cut-throat Finch ( <i>Amadina fasciata</i> )	2064	5y 7m 25d	1971-01-10	1976-09-04	66212456	Unknown	Male	(1938, 54, 8, 2000)
Estrildidae	Red-billed Firefinch ( <i>Lagonosticta senegal</i> )	1959	5y 4m 11d	2004-06-28	2009-11-08	W71448	Immature	Male	(7156, 816, 17, 7989)
Estrildidae	Magpie Mannikin ( <i>Lonchura fringilloides</i> )	1938	5y 3m 20d	2007-04-13	2012-08-02	AM28492	0 to 1/2 year	Unknown	(273, 60, 2, 335)
Estrildidae	Orange-breasted Waxbill ( <i>Amandava subflava</i> )	1869	5y 1m 12d	1993-12-11	1999-01-23	X93404	Adult	Male	(4021, 31, 0, 4052)
Estrildidae	Jameson's Firefinch ( <i>Lagonosticta rhodopareia</i> )	1849	5y 0m 23d	1978-02-01	1983-02-24	AA55701	Adult	Male	(5191, 467, 9, 5667)
Estrildidae	Black-faced Waxbill ( <i>Estrilda erythronotos</i> )	1843	5y 0m 17d	1997-03-26	2002-04-12	W08955	Adult	Male	(4974, 117, 3, 5094)
Estrildidae	Pink-throated Twinspot ( <i>Hypargos margaritatus</i> )	1826	5y 0m 0d	2004-12-06	2009-12-06	AD54916	Adult	Male	(211, 26, 0, 237)
Estrildidae	Red-faced Crimsonwing ( <i>Cryptospiza reichenovii</i> )	1713	4y 8m 9d	1992-07-03	1997-03-12	AA92038	Unknown	Male	(285, 21, 0, 306)
Estrildidae	Red-throated Twinspot ( <i>Hypargos niveoguttatus</i> )	1641	4y 5m 29d	1986-10-21	1991-04-19	A98273	Adult	Female	(645, 94, 4, 743)
Estrildidae	Red-backed Mannikin ( <i>Spermestes bicolor</i> )	1518	4y 1m 28d	1980-02-23	1984-04-20	AA83378	Adult	Unknown	(2406, 531, 5, 2942)
Estrildidae	Bronze Mannikin ( <i>Lonchura cucullata</i> )	1351	3y 8m 10d	2009-05-26	2013-02-05	AP49437	Adult	Unknown	(21 063, 2078, 102, 23 243)
Estrildidae	Sweet Waxbill ( <i>Estrilda melanois</i> )	1245	3y 4m 29d	2012-11-19	2016-04-17	AR29540	Adult	Female	(581, 9, 1, 591)
Estrildidae	Brown Firefinch ( <i>Lagonosticta nitidula</i> )	848	2y 3m 26d	2012-06-27	2014-10-23	AP26121	Adult	Male	(328, 16, 0, 344)
Estrildidae	Grey Waxbill ( <i>Estrilda perreini</i> )	601	1y 7m 21d	2002-07-28	2004-03-20	W64540	Adult	Unknown	(216, 5, 0, 221)
Estrildidae	Yellow-bellied Waxbill ( <i>Estrilda quartina</i> )	511	1y 4m 24d	1993-04-21	1994-09-14	X84700	Adult	Female	(277, 1, 2, 280)
Estrildidae	Green Twinspot ( <i>Mandingoa nitidula</i> )	362	0y 11m 25d	2006-03-18	2007-03-15	AM60163	Adult	Male	(625, 8, 1, 634)
Estrildidae	African Quailfinch ( <i>Ortygospiza atricollis</i> )	79	0y 2m 18d	2017-04-11	2017-06-29	L97248	Adult	Female	(1177, 13, 0, 1190)

Table 1-A1 continues on the next page →

TABLE 1-A1 (Continues...): Top SAFRING longevity records of southern African Passeriformes species.

Family	Species	Longevity (days)	Longevity (years)	Initial date	Final date	Ring number/s	Initial age	Sex	Records (initial, retrap/sighting, recovery, total)
Estrilidae	Orange-winged Pytilia ( <i>Pytilia afra</i> )	4	0y 0m 4d	2009-02-03	2009-02-07	AP44891	Adult	Male	(109, 1, 0, 110)
Eurylaimidae	African Broadbill ( <i>Smithornis capensis</i> )	2986	8y 2m 2d	1996-07-20	2004-09-22	F65879	Adult	Male	(161, 27, 2, 190)
Fringillidae	Brimstone Canary ( <i>Serinus sulphuratus</i> )	4243	11y 7m 13d	1976-12-14	1988-07-27	BB09221	Adult	Unknown	(3363, 125, 13, 3501)
Fringillidae	Yellow-fronted Canary ( <i>Serinus mozambicus</i> )	3820	10y 5m 17d	1996-12-16	2007-06-02	AE24752	Adult	Male	(10 087, 251, 16, 10 354)
Fringillidae	Black-throated Canary ( <i>Serinus atrigularis</i> )	3669	10y 0m 16d	2004-01-03	2014-01-19	GA62298	Adult	Unknown	(11 811, 3070, 34, 14 915)
Fringillidae	Sreaky-headed Seedeater ( <i>Serinus gularis</i> )	3479	9y 6m 8d	1965-08-29	1975-03-09	60125830	Adult	Unknown	(3656, 82, 15, 3753)
Fringillidae	White-throated Canary ( <i>Serinus albogularis</i> )	3430	9y 4m 20d	2003-09-01	2013-01-21	FH15012	0 to 1/2 year	Unknown	(2927, 94, 4, 3025)
Fringillidae	Yellow Canary ( <i>Serinus flaviventris</i> )	2870	7y 10m 9d	2004-10-14	2012-08-23	AM04483	Adult	Male	(6337, 277, 8, 6622)
Fringillidae	Forest Canary ( <i>Serinus scotops</i> )	2861	7y 10m 0d	2000-11-10	2008-09-10	AB78349	Adult	Male	(1467, 60, 5, 1532)
Fringillidae	Cape Canary ( <i>Serinus canicollis</i> )	1856	5y 0m 30d	1990-12-05	1996-01-04	AB69348	1 to 2 year	Male	(3292, 32, 4, 3328)
Fringillidae	Cape Siskin ( <i>Pseudochloroptila tatta</i> )	1454	3y 11m 24d	2014-02-25	2018-02-18	AR36791	Adult	Male	(529, 20, 0, 549)
Fringillidae	African Citril ( <i>Serinus citrinelloides</i> )	1061	2y 10m 26d	1987-10-26	1990-09-21	AB59194	Adult	Male	(187, 6, 2, 195)
Fringillidae	Drakensberg Siskin ( <i>Pseudochloroptila symonsi</i> )	1053	2y 10m 18d	2008-01-21	2010-12-09	AP00209	Immature	Male	(151, 15, 0, 166)
Fringillidae	Lemon-breasted Canary ( <i>Serinus citrinpectus</i> )	448	1y 2m 21d	1982-07-09	1983-09-30	AB02294	1/2 to 1 year	Male	(38, 1, 0, 39)
Fringillidae	Protea Seedeater ( <i>Serinus leucopterus</i> )	365	1y 0m 0d	2016-12-20	2017-12-20	FB67071	Immature	Unknown	(183, 6, 0, 189)
Fringillidae	Black-headed Canary ( <i>Serinus alaris</i> )	49	0y 1m 19d	1998-11-25	1999-01-13	AE87150	Immature	Female	(172, 2, 0, 174)
Hirundinidae	White-throated Swallow ( <i>Hirundo albigularis</i> )	4055	11y 1m 6d	2002-12-19	2014-01-25	GA64328	Adult	Unknown	(3504, 139, 14, 3657)
Hirundinidae	Barn (European) Swallow ( <i>Hirundo rustica</i> )	3430	9y 4m 21d	2000-03-01	2009-07-22	AF96858	Adult	Unknown	(185 047, 1189, 898, 187 134)
Hirundinidae	Wire-tailed Swallow ( <i>Hirundo smithii</i> )	3355	9y 2m 7d	1974-06-17	1983-08-24	AA30144	Immature	Unknown	(271, 38, 3, 312)
Hirundinidae	South African Cliff-Swallow ( <i>Hirundo spilodera</i> )	3021	8y 3m 11d	1959-12-18	1968-03-26	5717362	Adult	Unknown	(25 067, 3918, 253, 29 238)
Hirundinidae	Greater Striped-swallow ( <i>Hirundo cucullata</i> )	2752	7y 6m 12d	1995-04-17	2002-10-29	AD56401	Adult	Unknown	(3515, 109, 38, 3662)
Hirundinidae	Lesser Striped-Swallow ( <i>Hirundo abyssinica</i> )	2158	5y 10m 28d	1957-01-08	1962-12-06	5408664	Adult	Male	(4184, 108, 16, 4308)
Hirundinidae	Red-breasted Swallow ( <i>Hirundo semirufa</i> )	2090	5y 8m 19d	1954-03-23	1959-12-12	5007472	Adult	Unknown	(652, 19, 10, 681)
Hirundinidae	Common House-Martin ( <i>Delichon urbica</i> )	2030	5y 6m 20d	1974-07-31	1980-02-20	8151321	Juvenile	Unknown	(271, 2, 8, 281)
Hirundinidae	Brown-throated Martin ( <i>Riparia paludicola</i> )	1859	5y 1m 3d	2000-11-24	2005-12-27	AF47529	Adult	Unknown	(10 052, 226, 10, 10 288)
Hirundinidae	Rock Martin ( <i>Hirundo fuligula</i> )	1828	5y 0m 1d	2011-12-04	2016-12-05	AR10851	Adult	Unknown	(1154, 40, 8, 1202)
Hirundinidae	Black Sawwing ( <i>Psilidoprocne pristoptera</i> )	1513	4y 1m 21d	2005-12-07	2010-01-28	W86920	Adult	Unknown	(846, 43, 1, 890)
Hirundinidae	Banded Martin ( <i>Riparia cincta</i> )	1465	4y 0m 4d	1964-01-04	1968-01-08	60167842	Unknown	Unknown	(1043, 2, 4, 1049)
Hirundinidae	Blue Swallow ( <i>Hirundo atrocaerulea</i> )	662	1y 9m 22d	1989-03-24	1991-01-15	AC08436	Adult	Male	(228, 2, 1, 231)
Hirundinidae	Eastern Sawwing Swallow ( <i>Psilidoprocne orientalis</i> )	384	1y 0m 19d	1981-08-22	1982-09-10	Y00004	Adult	Male	(265, 5, 1, 271)
Hirundinidae	Grey-rumped Swallow ( <i>Pseudhirundo griseopyga</i> )	377	1y 0m 11d	2007-12-22	2009-01-02	AP07447	Adult	Unknown	(904, 2, 2, 908)
Hirundinidae	Pearl-breasted Swallow ( <i>Hirundo dimidiata</i> )	305	0y 9m 30d	2017-03-18	2018-01-17	MI13103	Adult	Unknown	(260, 3, 2, 265)
Hirundinidae	Sand Martin ( <i>Riparia riparia</i> )	146	0y 4m 25d	2008-02-22	2008-07-17	L01423	Unknown	Unknown	(2083, 11, 2, 2096)
Laniidae	Common Fiscal ( <i>Lanius collaris</i> )	4597	12y 7m 2d	1989-02-18	2001-09-20	BB73315	Adult	Male	(6876, 806, 86, 7768)
Laniidae	Red-backed Shrike ( <i>Lanius collurio</i> )	2739	7y 6m 0d	1962-12-15	1970-06-15	58219185	Adult	Female	(2281, 115, 11, 2407)
Laniidae	Southern White-crowned Shrike ( <i>Eurocephalus anguitimens</i> )	2248	6y 1m 25d	1994-07-09	2000-09-03	594922	Adult	Unknown	(404, 20, 1, 425)
Laniidae	Magpie Shrike ( <i>Corvinella melanoleuca</i> )	815	2y 2m 23d	2004-07-05	2006-09-28	D44690	Adult	Unknown	(888, 75, 2, 965)
Laniidae	Lesser grey Shrike ( <i>Lanius minor</i> )	8	0y 0m 8d	2016-11-16	2016-11-24	CV38328	Adult	Unknown	(242, 2, 0, 244)
Leiothrichidae	Arrow-marked Babbler ( <i>Turdoides jardineii</i> )	3018	8y 3m 4d	2005-03-27	2013-07-01	D60022	Adult	Unknown	(2032, 274, 14, 2320)
Leiothrichidae	Hartlaub's Babbler ( <i>Turdoides hartlaubii</i> )	1775	4y 10m 10d	2008-08-18	2013-06-28	4A61709	Adult	Unknown	(132, 6, 2, 140)
Leiothrichidae	Southern Pied-Babbler ( <i>Turdoides bicolor</i> )	1389	3y 9m 19d	2012-03-12	2015-12-31	D83606	Adult	Unknown	(557, 14, 1, 572)
Leiothrichidae	Bare-cheeked Babbler ( <i>Turdoides gymnogyns</i> )	1233	3y 4m 17d	2004-02-05	2007-06-22	D52670	Adult	Unknown	(119, 9, 1, 129)
Malaconotidae	Southern Boubou ( <i>Laniarius ferrugineus</i> )	5860	16y 0m 16d	1998-09-19	2014-10-05	4A13311	Adult	Female	(2341, 284, 23, 2648)

Table 1-A1 continues on the next page →

TABLE 1-A1 (Continues...): Top SAFRING longevity records of southern African Passeriformes species.

Family	Species	Longevity (days)	Longevity (years)	Initial date	Final date	Ring number/s	Initial age	Sex	Records (initial, retrap/sighting, recovery, total)
Malaconotidae	Olive Bush-Shrike ( <i>Telophorus olivaceus</i> )	3553	9y 8m 24d	2001-09-30	2011-06-23	BB95191	Adult	Male	(554, 33, 0, 587)
Malaconotidae	Brubru ( <i>Milvius afer</i> )	3109	8y 6m 5d	1992-10-31	2001-05-06	BC26973	Adult	Female	(283, 14, 1, 298)
Malaconotidae	Crimson-breasted Shrike ( <i>Laniarius atrocaccineus</i> )	3000	8y 2m 17d	1993-04-29	2001-07-16	494589	Adult	Male	(1182, 75, 5, 1262)
Malaconotidae	Bokmakierie ( <i>Telophorus zeylonus</i> )	2968	8y 1m 16d	2006-06-28	2014-08-13	4A50927	Adult	Unknown	(1277, 116, 13, 1406)
Malaconotidae	Black-backed Puffback ( <i>Dryoscopus cubia</i> )	2943	8y 0m 21d	2007-09-23	2015-10-14	BD13331	Adult	Female	(2143, 198, 8, 2349)
Malaconotidae	Brown-crowned Tchagra ( <i>Tchagra australis</i> )	2576	7y 0m 19d	2010-09-25	2017-10-14	CV50705	Adult	Unknown	(1866, 157, 6, 2029)
Malaconotidae	Orange-breasted Bush-Shrike ( <i>Telophorus sulfureopectus</i> )	2541	6y 11m 15d	2006-11-19	2013-11-03	BE33105	Adult	Unknown	(593, 52, 1, 646)
Malaconotidae	Tropical Boubou ( <i>Laniarius aethiopicus</i> )	2155	5y 10m 24d	2006-11-02	2012-09-26	CV36548	Adult	Unknown	(298, 25, 0, 323)
Malaconotidae	White-crested Helmet-Shrike ( <i>Prionops plumatus</i> )	1855	5y 0m 29d	1997-06-29	2002-07-28	BC33931	1/2 to 1 year	Unknown	(1166, 9, 0, 1175)
Malaconotidae	Southern Tchagra ( <i>Tchagra tchagra</i> )	1829	5y 0m 3d	2006-02-25	2011-02-28	CC73515	Adult	Unknown	(223, 18, 1, 242)
Malaconotidae	White-tailed Shrike ( <i>Lanioturdus torquatus</i> )	1775	4y 10m 10d	2008-08-18	2013-06-28	BH49364	Adult	Unknown	(158, 9, 0, 167)
Malaconotidae	Gorgeous Bush-Shrike ( <i>Telophorus quadricolor</i> )	1588	4y 4m 5d	2005-08-01	2009-12-06	CV28603	Adult	Male	(165, 13, 0, 178)
Malaconotidae	Grey-headed Bush-Shrike ( <i>Malaconotus blanchoti</i> )	1471	4y 0m 10d	1989-09-06	1993-09-16	460954	Adult	Female	(283, 16, 1, 300)
Malaconotidae	Black-crowned Tchagra ( <i>Tchagra senegalensis</i> )	1155	3y 1m 29d	1986-04-19	1989-06-17	469906	Adult	Male	(280, 22, 1, 303)
Malaconotidae	Swamp Boubou ( <i>Laniarius bicolor</i> )	968	2y 7m 23d	1994-05-02	1996-12-25	BB70663	Adult	Unknown	(102, 10, 1, 113)
Malaconotidae	Anchieta's Tchagra ( <i>Bocagia anchietae</i> )	357	0y 11m 23d	2011-01-31	2012-01-23	BE46526	Juvenile	Unknown	(11, 1, 0, 12)
Monarchidae	African Paradise-Flycatcher ( <i>Terpsiphone viridis</i> )	3397	9y 3m 19d	2001-09-22	2011-01-10	AF61876	Adult	Female	(2852, 151, 8, 3011)
Monarchidae	Blue-mantled Crested-Flycatcher ( <i>Trachoceros cyanomelas</i> )	2174	5y 11m 13d	2011-08-31	2017-08-13	L08187	Adult	Female	(423, 26, 1, 450)
Motacillidae	Cape wagtail ( <i>Motacilla capensis</i> )	4760	13y 0m 12d	1992-07-26	2005-08-07	BC22048	Adult	Unknown	(7629, 299, 65, 7993)
Motacillidae	Mountain Wagtail ( <i>Motacilla clara</i> )	3335	9y 1m 18d	1986-11-08	1995-12-26	BB28097	Adult	Unknown	(571, 285, 17, 873)
Motacillidae	African Pipit ( <i>Anthus cinnamomeus</i> )	2251	6y 1m 28d	2011-07-08	2017-09-05	FB02457	Adult	Unknown	(1158, 29, 3, 1190)
Motacillidae	African pied Wagtail ( <i>Motacilla aguimp</i> )	2225	6y 1m 2d	2003-10-07	2009-11-09	FA31952	Adult	Male	(517, 14, 4, 535)
Motacillidae	Cape Longclaw ( <i>Macronyx capensis</i> )	1403	3y 10m 1d	2010-03-07	2014-01-08	CC95892	Adult	Female	(717, 17, 2, 736)
Motacillidae	Long-billed Pipit ( <i>Anthus similis</i> )	315	0y 10m 11d	1988-11-13	1989-09-24	BB90015	Adult	Female	(148, 2, 1, 151)
Motacillidae	Yellow Wagtail ( <i>Motacilla flava</i> )	314	0y 10m 8d	1991-03-24	1992-02-01	AB83297	Adult	Male	(1983, 1, 0, 1984)
Motacillidae	Plain-backed Pipit ( <i>Anthus leucophrys</i> )	254	0y 8m 11d	1968-12-11	1969-08-22	A29480	Adult	Unknown	(79, 0, 1, 80)
Motacillidae	Striped Pipit ( <i>Anthus lineiventris</i> )	192	0y 6m 8d	2005-03-22	2005-09-30	BE11712	Adult	Unknown	(93, 1, 0, 94)
Motacillidae	Yellow-throated Longclaw ( <i>Macronyx croceus</i> )	161	0y 5m 9d	2004-01-31	2004-07-10	4A36035	Adult	Male	(102, 6, 1, 109)
Motacillidae	Yellow-breasted Pipit ( <i>Anthus chloris</i> )	34	0y 1m 4d	2013-11-15	2013-12-19	GA77041	Adult	Female	(31, 4, 0, 35)
Muscicapidae	Cape Robin-Chat ( <i>Cossypha caffra</i> )	6374	17y 5m 12d	2000-05-27	2017-11-08	F68667	Adult	Female	(18 563, 4293, 190, 23 046)
Muscicapidae	Red-capped Robin-Chat ( <i>Cossypha natalensis</i> )	4379	11y 11m 27d	1997-01-12	2009-01-08	BD20060	Adult	Male	(3369, 558, 12, 3939)
Muscicapidae	Marico Flycatcher ( <i>Bradornis marquensis</i> )	4358	11y 11m 6d	1992-08-22	2004-07-28	F25036	Adult	Unknown	(1664, 128, 0, 1792)
Muscicapidae	White-browed Robin-Chat ( <i>Cossypha heuglini</i> )	4291	11y 9m 0d	1971-11-28	1983-08-28	A109741	Unknown	Unknown	(1239, 250, 10, 1499)
Muscicapidae	Fiscal Flycatcher ( <i>Sigelus silens</i> )	4172	11y 5m 1d	2003-05-17	2014-10-18	GA59990	Adult	Male	(4495, 527, 45, 5067)
Muscicapidae	Chorister Robin-Chat ( <i>Cossypha dichroa</i> )	4015	10y 11m 28d	2006-04-30	2017-04-27	BD93001	Adult	Unknown	(1343, 195, 4, 1542)
Muscicapidae	Orange Ground-Thrush ( <i>Zoothera gurneyi</i> )	3860	10y 6m 24d	1992-05-09	2002-12-03	BB91189	Immature	Unknown	(311, 39, 1, 351)
Muscicapidae	African dusky Flycatcher ( <i>Muscicapa adusta</i> )	3858	10y 6m 22d	2007-06-03	2017-12-25	A104833	Adult	Unknown	(810, 51, 5, 866)
Muscicapidae	White-throated Robin-Chat ( <i>Cossypha humeralis</i> )	3549	9y 8m 18d	1982-08-21	1992-05-09	AA37869	Adult	Female	(1117, 179, 4, 1300)
Muscicapidae	Mountain Chat ( <i>Oenanthe monticola</i> )	3519	9y 7m 18d	2006-05-30	2016-01-17	FH33533	Adult	Male	(768, 105, 3, 876)
Muscicapidae	Brown Scrub-Robin ( <i>Cercotrichas erythropylia signata</i> )	3493	9y 6m 23d	2003-12-14	2013-07-07	FA37220	Adult	Unknown	(452, 78, 1, 531)
Muscicapidae	White-starred Robin ( <i>Pogonochia stellata</i> )	3489	9y 6m 18d	1989-07-17	1999-01-25	AC09512	Adult	Unknown	(1547, 189, 3, 1739)
Muscicapidae	Southern Black-Flycatcher ( <i>Bradornis pammelaina</i> )	3322	9y 1m 5d	1993-09-05	2002-10-20	F01742	Adult	Male	(923, 81, 4, 1008)
Muscicapidae	Groundscraper Thrush ( <i>Psophocichla itsipsirupa</i> )	3249	8y 10m 21d	2006-03-31	2015-02-21	460757	Adult	Unknown	(643, 26, 2, 671)

Table 1-A1 continues on the next page →

TABLE 1-A1 (Continues...): Top SAFRING longevity records of southern African Passeriformes species.

Family	Species	Longevity (days)	Longevity (years)	Initial date	Final date	Ring number/s	Initial age	Sex	Records (initial, retrap/sighting, recovery, total)
Muscicapidae	White-browed Scrub-Robin ( <i>Cercotrichas leucophrys</i> )	3086	8y 5m 11d	2004-04-01	2012-09-12	FA38972	Immature	Unknown	(2944, 264, 7, 3215)
Muscicapidae	Short-toed Rock-Thrush ( <i>Monticola brevipes</i> )	2837	7y 9m 7d	1999-10-08	2007-07-15	BC95466	Adult	Male	(298, 50, 5, 353)
Muscicapidae	African Stonechat ( <i>Saxicola torquata</i> )	2831	7y 9m 1d	2006-10-19	2014-07-20	AM37952	Adult	Male	(2506, 215, 5, 2726)
Muscicapidae	Cape Rock-Thrush ( <i>Monticola rupestris</i> )	2694	7y 4m 14d	2002-07-25	2009-12-09	462209	Adult	Male	(281, 26, 1, 308)
Muscicapidae	Karoo Scrub-Robin ( <i>Cercotrichas coryphaeus</i> )	2617	7y 1m 29d	2001-08-05	2008-10-04	FA11023	Adult	Female	(1907, 209, 4, 2120)
Muscicapidae	Familiar Chat ( <i>Cercomela familiaris</i> )	2566	7y 0m 9d	2003-01-04	2010-01-13	GA57703	Adult	Female	(1709, 282, 12, 2003)
Muscicapidae	Ant-eating Chat ( <i>Myrmecocichla formicivora</i> )	2429	6y 7m 24d	2005-03-21	2011-11-14	CV32830	0 to 1/2 year	Female	(1467, 616, 3, 2086)
Muscicapidae	Bearded Scrub-Robin ( <i>Cercotrichas quadrivirgata</i> )	2283	6y 3m 0d	2001-03-27	2007-06-27	FA15504	Adult	Unknown	(481, 41, 3, 525)
Muscicapidae	Buff-streaked Chat ( <i>Oenanthe bifasciata</i> )	2230	6y 1m 8d	2008-07-04	2014-08-12	BE47280	Adult	Female	(429, 16, 0, 445)
Muscicapidae	Kalahari Scrub-Robin ( <i>Cercotrichas paena</i> )	2182	5y 11m 22d	2010-02-02	2016-01-24	FH63343	Adult	Unknown	(1556, 158, 2, 1716)
Muscicapidae	Collared Palm-Thrush ( <i>Cichladusa arquata</i> )	2133	5y 10m 1d	2010-03-04	2016-01-05	CV33799	Adult	Unknown	(69, 10, 0, 79)
Muscicapidae	Ashy Flycatcher ( <i>Muscicapa caerulescens</i> )	2031	5y 6m 23d	2001-12-08	2007-07-01	GA19239	Adult	Male	(617, 41, 1, 659)
Muscicapidae	Chat Flycatcher ( <i>Bradornis infuscatus</i> )	2020	5y 6m 10d	2004-05-27	2009-12-07	CV22633	0 to 1/2 year	Unknown	(223, 8, 0, 231)
Muscicapidae	Mocking Cliff-Chat ( <i>Thamnolaea cinnamomeiventris</i> )	1815	4y 11m 19d	1977-07-24	1982-07-13	BB09832	Unknown	Female	(260, 25, 3, 288)
Muscicapidae	Pale Flycatcher ( <i>Bradornis pallidus</i> )	1745	4y 9m 11d	1994-06-21	1999-04-01	AB92827	Adult	Male	(237, 9, 1, 247)
Muscicapidae	Spotted Flycatcher ( <i>Muscicapa striata</i> )	1710	4y 8m 6d	2010-12-25	2015-08-31	AP90166	Adult	Unknown	(1138, 57, 2, 1197)
Muscicapidae	Grey Tit-Flycatcher ( <i>Myiaporus plumbeus</i> )	1422	3y 10m 21d	2008-03-01	2012-01-22	AM43524	1/2 to 1 year	Unknown	(154, 12, 0, 166)
Muscicapidae	Karoo Chat ( <i>Cercomela schlegelii</i> )	1247	3y 4m 30d	2004-08-27	2008-01-26	FH21244	Adult	Male	(251, 10, 0, 261)
Muscicapidae	Spotted Ground-Thrush ( <i>Zoothera guttata</i> )	1170	3y 2m 13d	2006-05-14	2009-07-27	CC73564	Adult	Unknown	(133, 3, 0, 136)
Muscicapidae	Thrush Nightingale ( <i>Luscinia luscinia</i> )	1113	3y 0m 18d	1985-02-05	1988-02-23	AB09487	Adult	Unknown	(168, 20, 1, 189)
Muscicapidae	Tractac Chat ( <i>Cercomela tractac</i> )	857	2y 4m 6d	2006-11-05	2009-03-11	FH18950	Adult	Unknown	(149, 8, 2, 159)
Muscicapidae	Rufous-tailed Palm-Thrush ( <i>Cichladusa ruficauda</i> )	758	2y 0m 28d	2012-10-02	2014-10-30	FH57437	Unknown	Unknown	(102, 8, 0, 110)
Muscicapidae	Capped Wheatear ( <i>Oenanthe pileata</i> )	682	1y 10m 12d	2014-08-27	2016-07-09	FA37695	Adult	Unknown	(516, 16, 0, 532)
Muscicapidae	Whinchat ( <i>Saxicola rubetra</i> )	484	1y 3m 27d	2009-11-03	2011-03-02	AP63027	Immature	Female	(80, 13, 0, 93)
Muscicapidae	Sentinel Rock-Thrush ( <i>Monticola explorator</i> )	367	1y 0m 1d	2003-06-29	2004-06-30	CC58309	Adult	Female	(180, 6, 1, 187)
Muscicapidae	Sickle-winged Chat ( <i>Cercomela sinuata</i> )	1	0y 0m 1d	2008-03-30	2008-03-31	AM75970	Adult	Female	(35, 1, 0, 36)
Muscicapidae	East coast Akalat ( <i>Sheppardia gunningi</i> )	1	0y 0m 1d	2010-12-10	2010-12-11	AM65400	Adult	Unknown	(27, 1, 0, 28)
Nectariniidae	Olive Sunbird ( <i>Nectarinia olivacea</i> )	5420	14y 10m 1d	1989-03-13	2004-01-14	AC03697	Adult	Unknown	(6175, 1242, 17, 7434)
Nectariniidae	White-bellied Sunbird ( <i>Nectarinia talatala</i> )	5111	13y 11m 28d	1973-07-09	1987-07-07	A97607	Adult	Male	(5210, 397, 9, 5616)
Nectariniidae	Amethyst Sunbird ( <i>Nectarinia amethystina</i> )	4403	12y 0m 20d	1999-08-29	2011-09-18	AF75048	Adult	Male	(7947, 613, 37, 8597)
Nectariniidae	Southern double-collared Sunbird ( <i>Nectarinia chalyber</i> )	4346	11y 10m 24d	1993-12-11	2005-11-04	X85134	Juvenile	Male	(10686, 708, 35, 11429)
Nectariniidae	Orange-breasted Sunbird ( <i>Nectarinia violacea</i> )	4146	11y 4m 5d	2006-05-31	2017-10-06	W86963	Adult	Male	(4294, 308, 3, 4605)
Nectariniidae	Greater Double-collared Sunbird ( <i>Nectarinia afra</i> )	4069	11y 1m 21d	1996-05-29	2007-07-20	AD51111	Adult	Male	(2688, 245, 14, 2947)
Nectariniidae	Malachite Sunbird ( <i>Nectarinia famosa</i> )	3666	10y 0m 14d	1989-03-26	1999-04-09	AB59947	Immature	Male	(5762, 183, 26, 5971)
Nectariniidae	Collared Sunbird ( <i>Antheptes collaris</i> )	3661	10y 0m 8d	1978-11-18	1988-11-26	AA55981	Adult	Female	(2646, 312, 7, 2965)
Nectariniidae	Bronzy Sunbird ( <i>Nectarinia kilimensis</i> )	3561	9y 8m 29d	1984-05-11	1994-02-09	AA65742	Immature	Male	(287, 19, 1, 307)
Nectariniidae	Scarlet-chested Sunbird ( <i>Nectarinia senegalensis</i> )	3359	9y 2m 11d	1976-06-09	1985-08-20	AA52818	Adult	Male	(1484, 88, 11, 1583)
Nectariniidae	Mlombo Double-collared Sunbird ( <i>Nectarinia manaensis</i> )	3323	9y 1m 4d	1991-08-29	2000-10-03	AA65982	Adult	Male	(1040, 73, 5, 1118)
Nectariniidae	Variable Sunbird ( <i>Nectarinia venusta</i> )	3039	8y 3m 25d	1991-10-02	2000-01-27	X74386	Adult	Male	(2894, 126, 3, 3023)
Nectariniidae	Purple-banded Sunbird ( <i>Nectarinia bifasciata</i> )	2887	7y 10m 24d	1981-03-01	1989-01-25	X36854	Juvenile	Male	(577, 16, 1, 594)
Nectariniidae	Mario Sunbird ( <i>Nectarinia mariquensis</i> )	2837	7y 9m 7d	2000-11-02	2008-08-09	AF93671	Immature	Male	(1455, 55, 3, 1513)
Nectariniidae	Copper Sunbird ( <i>Nectarinia cuprea</i> )	2207	6y 0m 15d	1982-09-27	1988-10-12	AB08761	Adult	Male	(493, 19, 1, 513)

Table 1-A1 continues on the next page →

TABLE 1-A1 (Continues...): Top SAFRING longevity records of southern African Passeriformes species.

Family	Species	Longevity (days)	Longevity (years)	Initial date	Final date	Ring number/s	Initial age	Sex	Records (initial, retrap/sighting, recovery, total)
Nectariniidae	Grey (mouse-coloured) Sunbird ( <i>Nectarinia veroxii</i> )	2041	5y 7m 2d	1998-10-06	2004-05-08	AF37772	Adult	Unknown	(1212, 42, 0, 1254)
Nectariniidae	Dusky Sunbird ( <i>Nectarinia fusca</i> )	1099	3y 0m 3d	2009-12-30	2013-01-02	L08732	Adult	Male	(1066, 8, 1, 1075)
Nectariniidae	Neergaard's Sunbird ( <i>Nectarinia neergaardi</i> )	164	0y 5m 13d	2009-01-06	2009-06-19	X96987	Adult	Male	(16, 1, 0, 17)
Nicatoridae	Eastern Nicator ( <i>Nicator gularis</i> )	1398	3y 9m 29d	2010-01-13	2013-11-11	4H53721	Adult	Unknown	(113, 7, 0, 120)
Ortoliidae	Black-headed Oriole ( <i>Oriolus larvatus</i> )	1955	5y 4m 5d	1991-05-02	1996-09-07	64302225	Adult	Female	(873, 50, 6, 929)
Ortoliidae	African Golden Oriole ( <i>Oriolus auratus</i> )	1065	2y 11m 0d	1982-08-11	1985-07-11	451013	1/2 to 1 year	Female	(50, 3, 1, 54)
Ortoliidae	Eurasian Golden Oriole ( <i>Oriolus oriolus</i> )	37	0y 1m 7d	2006-06-19	2006-07-26	BC47552	Adult	Unknown	(147, 2, 1, 150)
Paridae	Southern black Tit ( <i>Parus niger</i> )	3787	10y 4m 12d	1992-05-24	2002-10-06	BC26954	Immature	Unknown	(1071, 103, 2, 1176)
Paridae	Ashy Tit ( <i>Parus cinerascens</i> )	2063	5y 7m 25d	2001-01-01	2006-08-26	FA11570	Adult	Unknown	(620, 32, 2, 654)
Paridae	Carp's Tit ( <i>Parus carpi</i> )	1737	4y 9m 2d	2008-02-29	2012-12-01	AP24637	Nestling/Pull	Unknown	(107, 19, 0, 126)
Paridae	Miombo Tit ( <i>Parus griseiventris</i> )	949	2y 7m 6d	1998-08-11	2001-03-17	AA82618	Juvenile	Unknown	(13, 3, 0, 16)
Paridae	Grey Tit ( <i>Parus afer</i> )	367	1y 0m 2d	2001-10-18	2002-10-20	FA01332	Adult	Female	(154, 9, 0, 163)
Passeridae	House Sparrow ( <i>Passer domesticus</i> )	4622	12y 7m 24d	1990-07-25	2003-03-21	BC15169	Adult	Female	(15 895, 1095, 197, 17 187)
Passeridae	Cape Sparrow ( <i>Passer melanurus</i> )	3992	10y 11m 4d	2006-12-14	2017-11-18	FA79544	Adult	Female	(49 929, 2409, 424, 52 762)
Passeridae	Southern Grey-headed Sparrow ( <i>Passer diffusus</i> )	3375	9y 3m 0d	1994-11-26	2004-02-22	BC26789	Immature	Unknown	(15 801, 667, 62, 16 530)
Passeridae	Yellow-throated Petronia ( <i>Petronia superciliosa</i> )	3204	8y 9m 8d	1990-07-10	1999-04-18	F02220	Adult	Unknown	(741, 18, 0, 759)
Passeridae	Great Sparrow ( <i>Passer montensis</i> )	2625	7y 2m 8d	1976-09-26	1983-12-04	299426	Adult	Female	(1971, 75, 13, 2059)
Passeridae	Northern Grey-headed Sparrow ( <i>Passer griseus</i> )	1	0y 0m 1d	2009-12-14	2009-12-15	FA82880	Juvenile	Unknown	(171, 3, 0, 174)
Platystridae	Cape Batis ( <i>Batis capensis</i> )	4787	13y 1m 9d	1992-04-23	2005-06-01	X69014	Adult	Male	(2203, 216, 6, 2425)
Platystridae	Black-throated Wattle-eye ( <i>Platyptera peltata</i> )	2388	6y 6m 13d	1975-04-26	1981-11-08	AA34593	Adult	Male	(315, 30, 3, 348)
Platystridae	Pirrit Batis ( <i>Batis pririt</i> )	2148	5y 10m 18d	1988-12-07	1994-10-25	X62178	Adult	Male	(437, 15, 1, 453)
Platystridae	Chinspot Batis ( <i>Batis molitor</i> )	1825	4y 11m 30d	2006-01-01	2010-12-31	GA77529	Adult	Female	(1933, 89, 1, 2023)
Platystridae	Woodward's Batis ( <i>Batis fratrum</i> )	832	2y 3m 10d	2008-08-05	2010-11-15	L03727	Adult	Female	(66, 10, 0, 76)
Platystridae	Pale Batis ( <i>Batis soror</i> )	561	1y 6m 12d	1996-07-20	1998-02-01	W19002	Adult	Male	(39, 2, 0, 41)
Ploceidae	Thick-billed Weaver ( <i>Amblyospiza albifrons</i> )	7847	21y 5m 23d	1995-09-18	2017-03-13	493950	Adult	Female	(6031, 509, 33, 6573)
Ploceidae	Southern Masked-Weaver ( <i>Ploceus velatus</i> )	5610	15y 4m 9d	1987-08-09	2002-12-18	BB75791	Adult	Unknown	(159 799, 8921, 718, 169 438)
Ploceidae	Sociable Weaver ( <i>Philetairus socius</i> )	5574	15y 3m 4d	1995-04-29	2010-08-02	BC42438	Adult	Unknown	(17 870, 10 399, 770, 29 039)
Ploceidae	Southern Red Bishop ( <i>Euplectes orix</i> )	5545	15y 2m 5d	2000-12-20	2016-02-25	FA05661	Juvenile	Unknown	(124 757, 5567, 263, 130 587)
Ploceidae	Fan-tailed Widowbird ( <i>Euplectes axillaris</i> )	5424	14y 10m 6d	1994-07-10	2009-05-16	F51655	Adult	Unknown	(8162, 604, 20, 8786)
Ploceidae	Village Weaver ( <i>Ploceus cucullatus</i> )	5090	13y 11m 8d	1992-08-08	2006-07-16	CC05299	Adult	Male	(21 437, 917, 155, 22 509)
Ploceidae	Cape Weaver ( <i>Ploceus capensis</i> )	4983	13y 7m 22d	1995-09-17	2009-05-09	BB74847	Adult	Male	(43 423, 3965, 274, 47 662)
Ploceidae	Spectacled Weaver ( <i>Ploceus ocularis</i> )	4598	12y 7m 1d	2005-03-24	2017-10-25	CC64467	Adult	Female	(4071, 793, 10, 4874)
Ploceidae	Southern Brown-throated Weaver ( <i>Ploceus xanthopterus</i> )	4552	12y 5m 16d	1975-09-30	1988-03-17	AA41145	0 to 1/2 year	Female	(2936, 279, 12, 3227)
Ploceidae	Yellow Weaver ( <i>Ploceus subaureus</i> )	4383	12y 0m 0d	2002-12-07	2014-12-07	BH12812	Adult	Male	(5859, 525, 21, 6405)
Ploceidae	White-browed Sparrow-Weaver ( <i>Plocepasser mahali</i> )	4127	11y 3m 18d	2000-03-26	2011-07-14	BC96612	Adult	Unknown	(8793, 6759, 46, 15 598)
Ploceidae	Yellow Bishop ( <i>Euplectes capensis</i> )	4045	11y 0m 27d	1995-02-02	2006-03-01	BC46067	Adult	Female	(6142, 694, 19, 6855)
Ploceidae	Golden-Weaver ( <i>Ploceus xanthops</i> )	3857	10y 6m 24d	1996-11-16	2007-06-09	4A02074	Adult	Male	(1210, 62, 9, 1281)
Ploceidae	White-winged Widowbird ( <i>Euplectes albonotatus</i> )	3643	9y 11m 22d	1994-01-02	2003-12-24	F51159	Adult	Male	(9427, 166, 6, 9599)
Ploceidae	Red-billed Buffalo-Weaver ( <i>Bubalornis niger</i> )	3580	9y 9m 19d	2006-10-21	2016-08-09	D55851	Adult	Female	(813, 29, 4, 846)
Ploceidae	Red-headed Weaver ( <i>Anaplectes rubriceps</i> )	3333	9y 1m 14d	1991-10-26	2000-12-10	BC07566	Adult	Female	(924, 86, 0, 1010)
Ploceidae	Lesser Masked-Weaver ( <i>Ploceus intermedius</i> )	3297	9y 0m 10d	2004-05-08	2013-05-18	AE94754	Adult	Unknown	(6419, 154, 15, 6588)
Ploceidae	Red-collared Widowbird ( <i>Euplectes ardens</i> )	3255	8y 10m 29d	2001-11-03	2010-10-02	FA19487	Adult	Male	(7138, 156, 18, 7312)

Table 1-A1 continues on the next page →

TABLE 1-A1 (Continues...): Top SAFRING longevity records of southern African Passeriformes species.

Family	Species	Longevity (days)	Longevity (years)	Initial date	Final date	Ring number/s	Initial age	Sex	Records (initial, retrap/sighting, recovery, total)
Ploceidae	Red-headed Quelea ( <i>Quelea erythrops</i> )	2852	7y 9m 22d	1991-01-03	1998-10-25	AB97311	Adult	Female	(1364, 20, 3, 1387)
Ploceidae	Red-billed Quelea ( <i>Quelea quelea</i> )	2680	7y 4m 2d	2004-04-11	2011-08-13	FH14281	Adult	Female	(149 838, 286, 551, 150 675)
Ploceidae	Yellow-crowned Bishop ( <i>Euplectes afer</i> )	2142	5y 10m 10d	2006-03-04	2012-01-14	AM31231	Adult	Male	(4945, 23, 1, 4969)
Ploceidae	Dark-backed Weaver ( <i>Ploceus bicolor</i> )	1913	5y 2m 26d	2004-10-11	2010-01-06	BH34002	Adult	Unknown	(406, 37, 0, 443)
Ploceidae	Scaly-feathered Finch ( <i>Sporopipes squamifrons</i> )	1876	5y 1m 19d	2002-03-02	2007-04-21	GA28835	Adult	Unknown	(6561, 529, 15, 7105)
Ploceidae	Chestnut Weaver ( <i>Ploceus rubiginosus</i> )	1187	3y 3m 1d	2004-01-25	2007-04-26	BH15335	Adult	Male	(7074, 46, 6, 7126)
Ploceidae	Yellow-mantled Widowbird ( <i>Euplectes macrourus</i> )	811	2y 2m 19d	1991-06-30	1993-09-18	AC14661	Unknown	Female	(363, 24, 0, 387)
Ploceidae	Long-tailed Widowbird ( <i>Euplectes prognus</i> )	672	1y 10m 4d	2013-02-02	2014-12-06	FB34723	Adult	Female	(1546, 9, 0, 1555)
Ploceidae	Black-winged Bishop ( <i>Euplectes horreaceus</i> )	310	0y 10m 5d	1964-01-15	1964-11-20	60178430	Adult	Female	(348, 6, 3, 357)
Promeropidae	Cape Sugarbird ( <i>Promerops cafer</i> )	5340	14y 7m 14d	1990-10-06	2005-05-20	484931	Juvenile	Female	(11 025, 1201, 44, 12 270)
Promeropidae	Gurney's Sugarbird ( <i>Promerops gurneyi</i> )	4775	13y 0m 27d	1994-06-16	2007-07-13	480688	Adult	Female	(1300, 131, 6, 1437)
Pycnonotidae	Stripe-cheeked Greenbul ( <i>Andropadus milanjensis</i> )	6378	17y 5m 16d	1981-04-20	1998-10-06	BB36015	Immature	Male	(584, 28, 3, 615)
Pycnonotidae	Yellow-streaked Greenbul ( <i>Phyllostrephus flavostriatus</i> )	5998	16y 5m 1d	1993-03-19	2009-08-20	BD01062	Immature	Male	(415, 56, 0, 471)
Pycnonotidae	Dark-capped Bulbul ( <i>Pycnonotus tricolor</i> )	5433	14y 10m 15d	1987-11-14	2002-09-29	BB42940	Adult	Female	(30 277, 2015, 198, 32 490)
Pycnonotidae	Yellow-bellied Greenbul ( <i>Chlorocichla flaviventris</i> )	4975	13y 7m 15d	1994-01-07	2007-08-22	CC02697	Adult	Male	(2144, 266, 4, 2414)
Pycnonotidae	Sombre Greenbul ( <i>Andropadus importunus</i> )	4668	12y 9m 12d	2002-11-17	2015-08-29	BD67010	Adult	Male	(5553, 723, 27, 6303)
Pycnonotidae	African Red-eyed Bulbul ( <i>Pycnonotus nigricans</i> )	4389	12y 0m 6d	2001-11-10	2013-11-16	BD87264	Adult	Unknown	(16 405, 703, 61, 17 169)
Pycnonotidae	Cape Bulbul ( <i>Pycnonotus capensis</i> )	4146	11y 4m 5d	1977-05-09	1988-09-14	BB09354	Adult	Unknown	(10 034, 649, 75, 10 758)
Pycnonotidae	Terrestrial Brownbul ( <i>Phyllastrephus terrestris</i> )	3912	10y 8m 14d	1974-06-29	1985-03-15	296748	Adult	Unknown	(3005, 806, 6, 3817)
Pycnonotidae	Tiny Greenbul ( <i>Phyllastrephus debilis</i> )	2	0y 0m 2d	2010-12-11	2010-12-13	FA46400	Adult	Unknown	(45, 1, 0, 46)
Remizidae	Cape Penduline-Tit ( <i>Anthoscopus minutus</i> )	1031	2y 9m 28d	2004-11-03	2007-08-31	W77238	Unknown	Unknown	(389, 108, 2, 499)
Sturnidae	Red-winged Starling ( <i>Onychognathus morio</i> )	6935	18y 11m 26d	1997-04-01	2016-03-27	D22870	Nestling/Pull	Unknown	(3042, 126, 129, 3297)
Sturnidae	Pale-winged Starling ( <i>Onychognathus nabouroup</i> )	4047	11y 0m 29d	1995-05-20	2006-06-18	470437	Adult	Unknown	(590, 53, 1, 644)
Sturnidae	Meves's Starling ( <i>Lamprolornis mevesii</i> )	3751	10y 3m 8d	1996-04-06	2006-07-14	4A07035	Immature	Unknown	(816, 48, 4, 868)
Sturnidae	Common Myna ( <i>Acridotheres tristis</i> )	3510	9y 7m 9d	1976-05-30	1986-01-08	512147	Adult	Unknown	(844, 5, 31, 880)
Sturnidae	Burchell's Starling ( <i>Lamprolornis australis</i> )	3473	9y 6m 3d	2008-04-12	2017-10-15	D64608	Adult	Unknown	(358, 11, 0, 369)
Sturnidae	Cape glossy Starling ( <i>Lamprolornis nitens</i> )	3433	9y 4m 25d	1992-01-04	2001-05-29	486889	0 to 1/2 year	Unknown	(3745, 89, 23, 3857)
Sturnidae	Wattled Starling ( <i>Creatophora cinerea</i> )	3178	8y 8m 13d	2001-08-18	2010-05-01	4H05571	Adult	Female	(3489, 12, 17, 3518)
Sturnidae	Pied Starling ( <i>Spreo bicolor</i> )	3177	8y 8m 13d	1990-09-08	1999-05-21	485880	Adult	Unknown	(1171, 58, 9, 1238)
Sturnidae	Common Starling ( <i>Sturnus vulgaris</i> )	2625	7y 2m 9d	1992-02-17	1999-04-26	463592	Juvenile	Unknown	(3817, 25, 75, 3917)
Sturnidae	Violet-backed Starling ( <i>Cinnyricinclus leucogaster</i> )	2610	7y 1m 22d	2003-12-06	2011-01-28	BF00461	Adult	Male	(922, 38, 4, 964)
Sturnidae	Red-billed Oxpecker ( <i>Buphagus erythrorhynchus</i> )	2092	5y 8m 22d	1998-04-12	2004-01-03	4A12928	Adult	Unknown	(2068, 210, 23, 2301)
Sturnidae	Black-bellied Starling ( <i>Lamprolornis corruscus</i> )	2044	5y 7m 6d	2009-12-05	2015-07-11	4H50223	Adult	Female	(465, 8, 0, 473)
Sturnidae	Greater Blue-eared Starling ( <i>Lamprolornis chalybaeus</i> )	1668	4y 6m 25d	2005-10-08	2010-05-03	4A46133	Adult	Unknown	(489, 1, 3, 493)
Sturnidae	Miombo blue-eared Starling ( <i>Lamprolornis chloropterus</i> )	756	2y 0m 26d	1965-07-15	1967-08-10	59309801	Unknown	Unknown	(76, 2, 2, 80)
Sylviidae	Lesser Swamp-Warbler ( <i>Acrocephalus gracillirostris</i> )	4808	13y 1m 29d	2002-10-19	2015-12-18	FA14796	Adult	Female	(13 646, 2581, 33, 16 260)
Sylviidae	African Reed-Warbler ( <i>Acrocephalus baeticatus</i> )	4459	12y 2m 15d	2004-10-02	2016-12-17	GA88591	Adult	Unknown	(22 483, 3104, 20, 25 607)
Sylviidae	Little Rush-Warbler ( <i>Bradypterus baboecala</i> )	3800	10y 4m 27d	1995-02-02	2005-06-29	AD78671	Adult	Unknown	(3237, 590, 4, 3831)
Sylviidae	Dark-capped Yellow Warbler ( <i>Chloropeta natalensis</i> )	3411	9y 4m 2d	1995-12-30	2005-05-02	F65540	Adult	Unknown	(899, 143, 0, 1042)
Sylviidae	Chestnut-vented Tit-Babbler ( <i>Parisoma subcaeruleum</i> )	2982	8y 1m 29d	2009-08-16	2017-10-15	AP49486	Adult	Unknown	(5518, 921, 16, 6455)
Sylviidae	Great Reed-Warbler ( <i>Acrocephalus arundinaceus</i> )	2964	8y 1m 11d	1979-12-17	1988-01-28	BB00900	Adult	Unknown	(3000, 162, 1, 3163)
Sylviidae	Long-billed Crombec ( <i>Sylvietta rufescens</i> )	2927	8y 0m 5d	1996-10-09	2004-10-14	AE27895	Adult	Unknown	(2746, 345, 6, 3097)

Table 1-A1 continues on the next page →

TABLE 1-A1 (Continues...): Top SAFRING longevity records of southern African Passeriformes species.

Family	Species	Longevity (days)	Longevity (years)	Initial date	Final date	Ring number/s	Initial age	Sex	Records (initial, retrap/sighting, recovery, total)
Sylviidae	Basra Reed-Warbler ( <i>Acrocephalus griseldis</i> )	2898	7y 11m 7d	1976-02-29	1984-02-05	BB00356	Adult	Unknown	(68, 13, 0, 81)
Sylviidae	Yellow-throated Warbler ( <i>Phylloscopus ruficapillus</i> )	2384	6y 6m 8d	2011-05-16	2017-11-24	L22542	Adult	Unknown	(477, 67, 1, 545)
Sylviidae	Cape Grassbird ( <i>Sphenocercus afer</i> )	2247	6y 1m 25d	1988-08-16	1994-10-11	E15702	Adult	Unknown	(740, 69, 2, 811)
Sylviidae	White-tailed Crested-Flycatcher ( <i>Elminia albonotatus</i> )	2101	5y 9m 0d	1998-03-10	2003-12-10	W01632	0 to 1/2 year	Unknown	(213, 11, 0, 224)
Sylviidae	Moustached Grass-warbler ( <i>Melocichla mentalis</i> )	1934	5y 3m 16d	2002-11-13	2008-02-29	A90216	Unknown	Unknown	(44, 18, 0, 62)
Sylviidae	Bush Blackcap ( <i>Lioptilus nigricapillus</i> )	1901	5y 2m 13d	2000-12-04	2006-02-17	FA06409	Adult	Female	(209, 28, 0, 237)
Sylviidae	Marsh Warbler ( <i>Acrocephalus palustris</i> )	1848	5y 0m 21d	1983-12-30	1989-01-20	AA61153	Adult	Unknown	(1987, 140, 12, 2139)
Sylviidae	Garden Warbler ( <i>Sylvia borin</i> )	1806	4y 11m 11d	1977-01-03	1981-12-14	AA52982	Adult	Unknown	(3393, 148, 2, 3543)
Sylviidae	Yellow-bellied Eremomela ( <i>Eremomela icteropygialis</i> )	1581	4y 3m 29d	1998-04-21	2002-08-19	W25703	1/2 to 1 year	Unknown	(349, 6, 0, 355)
Sylviidae	Layard's Tit-Babbler ( <i>Parusoma layardi</i> )	1502	4y 1m 11d	2001-09-15	2005-10-26	GA14651	Adult	Male	(239, 11, 0, 250)
Sylviidae	Barratt's Warbler ( <i>Bradypterus barratti</i> )	1489	4y 0m 28d	2000-12-05	2005-01-02	F82359	Adult	Unknown	(142, 15, 0, 157)
Sylviidae	Sedge Warbler ( <i>Acrocephalus schoenobaenus</i> )	1463	4y 0m 2d	1978-11-11	1982-11-13	AA51122	Juvenile	Unknown	(5116, 303, 2, 5421)
Sylviidae	Victorin's Warbler ( <i>Bradypterus victorini</i> )	1443	3y 11m 12d	2013-07-17	2017-06-29	AP26282	Adult	Unknown	(85, 31, 0, 116)
Sylviidae	Common Whitethroat ( <i>Sylvia communis</i> )	1427	3y 10m 25d	1991-03-31	1995-02-25	AB98036	Adult	Unknown	(704, 42, 0, 746)
Sylviidae	Eurasian Reed-Warbler ( <i>Acrocephalus scirpaceus</i> )	1424	3y 10m 23d	2008-03-01	2012-01-24	AM43529	1/2 to 1 year	Unknown	(375, 25, 0, 400)
Sylviidae	Willow Warbler ( <i>Phylloscopus trochilus</i> )	1168	3y 2m 10d	2006-12-11	2010-02-21	W87167	Adult	Unknown	(6913, 130, 8, 7051)
Sylviidae	Red-faced Crombec ( <i>Sylvietta whytii</i> )	1078	2y 11m 12d	1998-05-09	2001-04-21	AD30870	0 to 1/2 year	Unknown	(16, 2, 0, 18)
Sylviidae	Burnt-necked Eremomela ( <i>Eremomela usticollis</i> )	953	2y 7m 11d	1996-11-02	1999-06-13	W05273	Adult	Unknown	(331, 17, 1, 349)
Sylviidae	Kynsna Warbler ( <i>Bradypterus sylvaticus</i> )	875	2y 4m 21d	2006-10-07	2009-02-28	A145360	Adult	Unknown	(27, 7, 0, 34)
Sylviidae	Fairy Flycatcher ( <i>Stenostira scita</i> )	804	2y 2m 13d	2001-08-12	2003-10-25	W01021	Adult	Unknown	(364, 7, 1, 372)
Sylviidae	Icterine Warbler ( <i>Hippolais icterina</i> )	606	1y 7m 26d	2002-07-26	2004-03-23	B025901	Adult	Unknown	(452, 14, 1, 467)
Sylviidae	Olive-tree Warbler ( <i>Hippolais olivetorum</i> )	474	1y 3m 19d	2012-12-07	2014-03-26	FB30764	Adult	Unknown	(64, 6, 0, 70)
Sylviidae	Green-capped Eremomela ( <i>Eremomela scotops</i> )	469	1y 3m 13d	1998-04-25	1999-08-07	W19097	Adult	Female	(52, 1, 0, 53)
Sylviidae	Greater Swamp-Warbler ( <i>Acrocephalus rufescens</i> )	41	0y 1m 10d	2006-12-15	2007-01-25	AE16035	Adult	Unknown	(28, 4, 0, 32)
Sylviidae	Broad-tailed Warbler ( <i>Schoenicola brevirostris</i> )	2	0y 0m 2d	2016-12-17	2016-12-19	AR75032	Adult	Unknown	(51, 1, 0, 52)
Turdidae	Olive Thrush ( <i>Turdus olivaceus</i> )	5872	16y 0m 28d	1999-06-05	2015-07-03	4A17458	Adult	Male	(13 008, 1115, 250, 14 373)
Turdidae	Kurriehane Thrush ( <i>Turdus libyanus</i> )	4303	11y 9m 12d	1998-09-08	2010-06-20	4E5252	Adult	Male	(3777, 598, 34, 4409)
Turdidae	Karoo Thrush (split) ( <i>Turdus smithi</i> )	3636	9y 11m 13d	2006-05-10	2016-04-23	4A35376	Adult	Unknown	(5772, 609, 55, 6436)
Viduidae	Pin-tailed Whydah ( <i>Vidua macroura</i> )	2887	7y 10m 26d	1994-11-04	2002-09-30	AD85274	Adult	Female	(4761, 191, 28, 4980)
Viduidae	Long-tailed Paradise-Whydah ( <i>Vidua paradisaea</i> )	2816	7y 8m 17d	1992-02-07	1999-10-24	BC25887	Adult	Male	(1733, 110, 3, 1846)
Viduidae	Village Indigobird ( <i>Vidua chalybeata</i> )	2271	6y 2m 18d	1975-06-16	1981-09-03	AA52329	Juvenile	Unknown	(571, 28, 2, 601)
Viduidae	Purple Indigobird ( <i>Vidua purpurascens</i> )	1843	5y 0m 17d	1981-01-15	1986-02-01	AB08234	Adult	Female	(148, 6, 0, 154)
Viduidae	Shaft-tailed Whydah ( <i>Vidua regia</i> )	1217	3y 3m 29d	2013-10-08	2017-02-06	AR30750	Adult	Unknown	(1486, 42, 2, 1530)
Viduidae	Dusky Indigobird ( <i>Vidua funerea</i> )	854	2y 4m 2d	1967-12-16	1970-04-18	66229062	Adult	Unknown	(906, 79, 5, 990)
Viduidae	Cuckoo Finch ( <i>Anomalospiza imberbis</i> )	739	2y 0m 8d	2002-11-12	2004-11-20	GA55010	Unknown	Unknown	(1865, 3, 0, 1868)
Zosteropidae	Cape White-eye ( <i>Zosterops virens</i> )	3968	10y 10m 9d	1995-03-04	2006-01-13	AD78583	Adult	Unknown	(44 109, 4509, 123, 48 741)
Zosteropidae	African yellow White-eye ( <i>Zosterops senegalensis</i> )	3192	8y 8m 25d	1985-05-10	1994-02-04	X35933	Adult	Male	(2062, 79, 3, 2144)
Zosteropidae	Orange river White-eye ( <i>Zosterops pallidus</i> )	2329	6y 4m 16d	2005-06-17	2011-11-02	GA71428	Adult	Female	(34 246, 2898, 116, 39 260)