WELLINGTON REGION

2019 | State of NZ Garden Birds
Te Āhua o ngā Manu o te Kāri i Aotearoa

NUMBER OF SURVEYED GARDENS

<table>
<thead>
<tr>
<th>Year</th>
<th>Number</th>
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</thead>
<tbody>
<tr>
<td>2009</td>
<td>538</td>
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<tr>
<td>2010</td>
<td>520</td>
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<tr>
<td>2011</td>
<td>746</td>
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<tr>
<td>2012</td>
<td>729</td>
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<tr>
<td>2013</td>
<td>778</td>
</tr>
<tr>
<td>2014</td>
<td>523</td>
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<tr>
<td>2015</td>
<td>499</td>
</tr>
<tr>
<td>2016</td>
<td>468</td>
</tr>
<tr>
<td>2017</td>
<td>379</td>
</tr>
<tr>
<td>2018</td>
<td>447</td>
</tr>
<tr>
<td>2019</td>
<td>322</td>
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</table>
We have estimated how bird counts have changed over the last 10- and 5-year periods in different regions, districts, and neighbourhoods across New Zealand for 14 common garden visitors – five native and nine introduced birds.

Thanks to all our volunteer bird counters, 35,786 garden surveys have been completed nationwide since 2009. We use specialised statistical tools to account for variation in sampling effort between regions, districts, and suburbs over time. We also account for variation in bird counts depending on whether the surveyed gardens were in a rural or urban setting and whether birds were fed or not. We also correct for the actual number of gardens in each area.

We then classify these changes according to their direction and size (see diagram below) to help us identify changes of potential concern or interest.

Drawing attention to changes in counts that may be of concern or interest

Decline over 10 years

- 50% or more: RAPID DECLINE
- 25% or more: MODERATE DECLINE
- 10% or more: SHALLOW DECLINE
- No or little change: NO OR LITTLE CHANGE

Increase over 10 years

- Over 10%: SHALLOW INCREASE
- Over 50%: MODERATE INCREASE
- Over 100%: RAPID INCREASE

How have bird counts changed?
WELLINGTON | Kererū | Kererū
How have garden bird counts changed in this region?

Last 10 years
2009–19

MODERATE INCREASE REGIONALLY

SHALLOW INCREASE NATIONALLY

Last 5 years
2014–19

RAPID INCREASE REGIONALLY

RAPID INCREASE NATIONALLY

Legend:
- Blue: Rapid increase
- Green: Moderate increase
- Orange: Shallow decline
- Red: Moderate decline
- Dark green: Rapid decline
- Light green: No or little change

Data source: 35,786 and 19,832 gardens surveyed nationwide for 2009–19 and 2014–19 respectively.
WELLINGTON | Bellbird | Korimako
How have garden bird counts changed in this region?

Last 10 years 2009–19

MODERATE INCREASE REGIONALLY

SHALLOW INCREASE NATIONALLY

Last 5 years 2014–19

LITTLE OR NO CHANGE REGIONALLY

SHALLOW INCREASE NATIONALLY

Data source: 37,706 and 19,812 gardens surveyed nationwide for 2009–19 and 2014–19 respectively.
WELLINGTON | Greenfinch

How have garden bird counts changed in this region?

Last 10 years
2009–19

- Shallow increase regionally
- Moderate increase nationally

Last 5 years
2014–19

- Rapid increase regionally
- Moderate increase nationally

Data source: 35,786 and 19,912 gardens surveyed nationwide for 2009–19 and 2014–19 respectively.
WELLINGTON | Myna | Maina
How have garden bird counts changed in this region?

Last 10 years
2009–19

- SHALLOW INCREASE REGIONALLY
- LITTLE OR NO CHANGE NATIONALLY

WELLINGTON | Fantail | Pīwaiwaka
How have garden bird counts changed in this region?

Last 10 years
2009–19

- Little or no change regionally
- Shallow increase nationally

Last 5 years
2014–19

- Moderate increase regionally
- Moderate increase nationally

Data source: 35,786 and 19,912 gardens surveyed nationwide for 2009–19 and 2014–19 respectively.
WELLINGTON | Tūī | Kōkō
How have garden bird counts changed in this region?

Last 10 years 2009–19

LITTLE OR NO CHANGE REGIONALLY

SHALLOW INCREASE NATIONALLY

Last 5 years 2014–19

SHALLOW INCREASE REGIONALLY

SHALLOW INCREASE NATIONALLY

WELLINGTON | House sparrow | Tiu
How have garden bird counts changed in this region?

Last 10 years
2009–19

- LITTLE OR NO CHANGE REGIONALLY
- LITTLE OR NO CHANGE NATIONALLY

Last 5 years
2014–19

- SHALLOW DECLINE REGIONALLY
- LITTLE OR NO CHANGE NATIONALLY

Data source: 35,786 and 19,872 gardens surveyed nationwide for 2009–19 and 2014–19 respectively.
WELLINGTON | Dunnock
How have garden bird counts changed in this region?

Last 10 years
2009–19

Last 5 years
2014–19

Data source: 35,786 and 19,912 gardens surveyed nationwide for 2009–19 and 2014–19 respectively.
WELLINGTON | Blackbird | Manu pango

How have garden bird counts changed in this region?

Last 10 years 2009–19

- LITTLE OR NO CHANGE REGIONALLY
- LITTLE OR NO CHANGE NATIONALLY

Last 5 years 2014–19

- SHALLOW INCREASE REGIONALLY
- SHALLOW INCREASE NATIONALLY

Data source: 35,786 and 19,902 gardens surveyed nationally for 2009–19 and 2014–19 respectively.
WELLINGTON | Chaffinch | Pahirini
How have garden bird counts changed in this region?

Last 10 years
2009–19

SHALLOW DECLINE REGIONALLY

LITTLE OR NO CHANGE NATIONALLY

Last 5 years
2014–19

SHALLOW INCREASE REGIONALLY

SHALLOW INCREASE NATIONALLY

WELLINGTON | Song thrush

How have garden bird counts changed in this region?

Last 10 years 2009–19

- SHALLOW DECLINE REGIONALLY
- SHALLOW DECLINE NATIONALLY

Last 5 years 2014–19

- SHALLOW INCREASE REGIONALLY
- LITTLE OR NO CHANGE NATIONALLY

Data source: 35,786 and 19,192 gardens surveyed nationwide for 2009–19 and 2014–19 respectively.
WELLINGTON | Goldfinch
How have garden bird counts changed in this region?

Last 10 years
2009–19

MODERATE DECLINE REGIONALLY

MODERATE DECLINE NATIONALLY

Last 5 years
2014–19

SHALLOW INCREASE REGIONALLY

SHALLOW DECLINE NATIONALLY

Data source: 35,786 and 19,912 gardens surveyed nationwide for 2009–19 and 2014–19 respectively.
WELLINGTON | Starling | Tāringi
How have garden bird counts changed in this region?

Last 10 years
2009–19

Last 5 years
2014–19

Data source: 35,786 and 19,832 gardens surveyed nationwide for 2009–19 and 2014–19 respectively.

MOMERATE DECLINE REGIONALLY
MOMERATE DECLINE NATIONALLY
SHALLOW DECLINE REGIONALLY
SHALLOW DECLINE NATIONALLY

-47% -42% -34% -45% -53% -33% -40% -28%
-14% -12% -7% -11% -10% -6% -7% -11%

Rapid increase
Moderate increase
Shallow increase
No or little change
Shallow decline
Moderate decline
WELLINGTON | Silveryeye | Tauhou
How have garden bird counts changed in this region?

Last 10 years (2009–19)
- Moderate decline regionally
- Shallow increase nationally

Last 5 years (2014–19)
- Shallow increase regionally
- Little or no change nationally

Data source: 35,786 and 19,912 gardens surveyed nationwide for 2009–19 and 2014–19 respectively.
New Zealand
GARDEN
BIRD
SURVEY

2020
27 June to 5 July

Visit our webpage to learn more:
gardenbirdsurvey.landcareresearch.co.nz