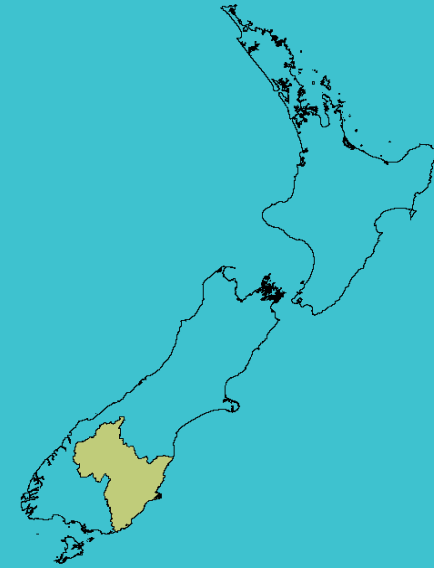




New Zealand  
**GARDEN  
BIRD  
SURVEY**



Summary report

## OTAGO REGION

# 2018

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

### NUMBER OF SURVEYED GARDENS



Manaaki  
Whenua  
Landcare  
Research

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, 34,686 garden surveys have been completed nationwide since 2008. 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 if birds were fed or not. We also correct for the actual number of gardens in each area.

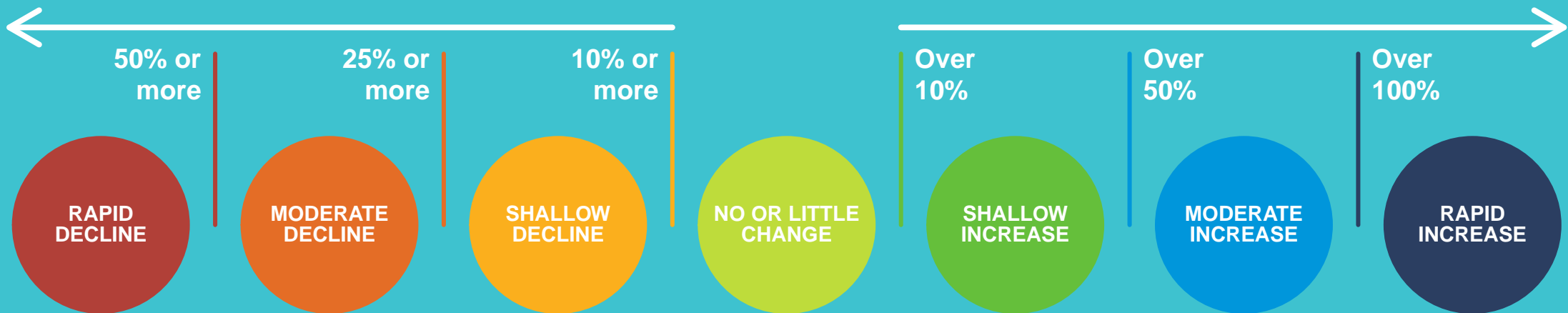
We then classify these changes according to their direction and size (see diagram below) to help us identify changes of potential concern or interest.

# How have bird counts changed?

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

### Decline over 10 years

### Increase over 10 years

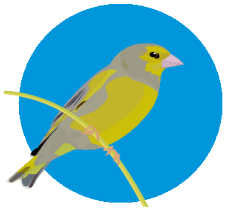


# OTAGO | Greenfinch

## How have garden bird counts changed in this region?



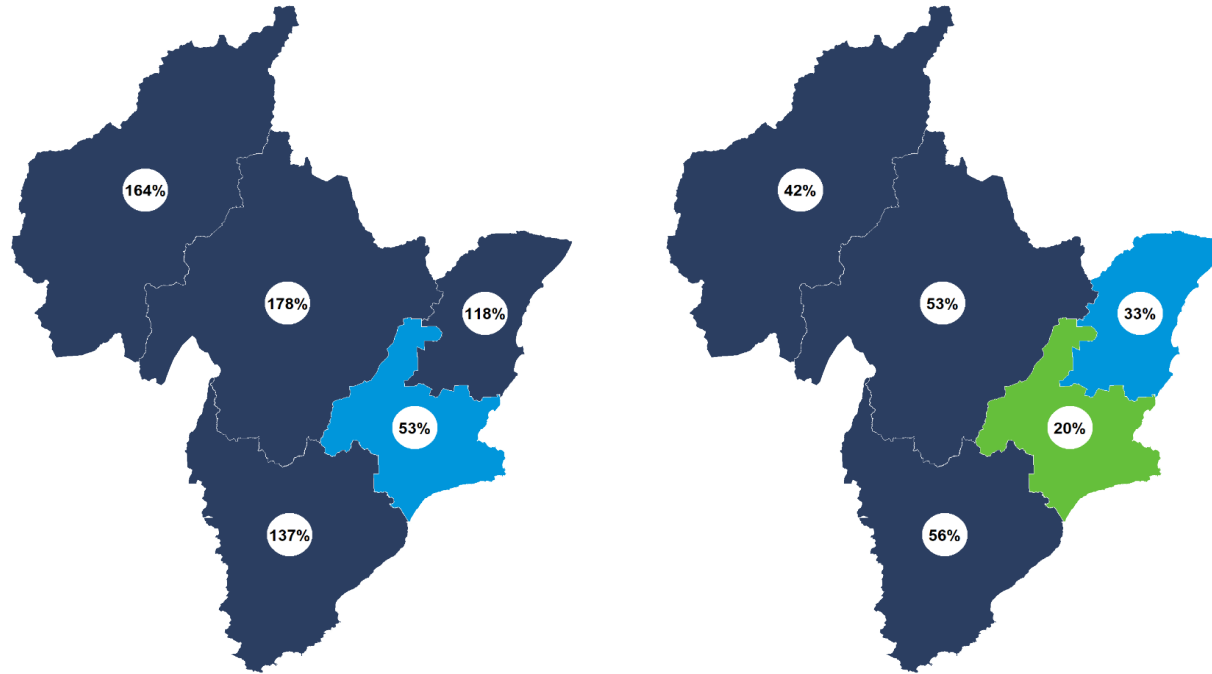
Last 10 years  
2008–18



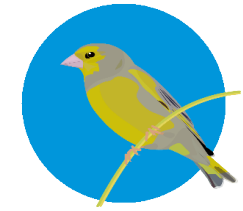
**MODERATE INCREASE  
REGIONALLY**



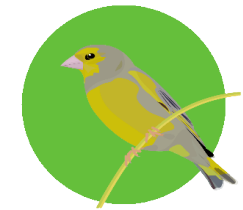
**MODERATE INCREASE  
NATIONALLY**



Last 5 years  
2013–18



**MODERATE INCREASE  
REGIONALLY**



**SHALLOW INCREASE  
NATIONALLY**

- Rapid increase
- Moderate increase
- Shallow increase
- No or little change
- Shallow decline
- Moderate decline
- Rapid decline

# OTAGO | Tūī | Kōkō

## How have garden bird counts changed in this region?



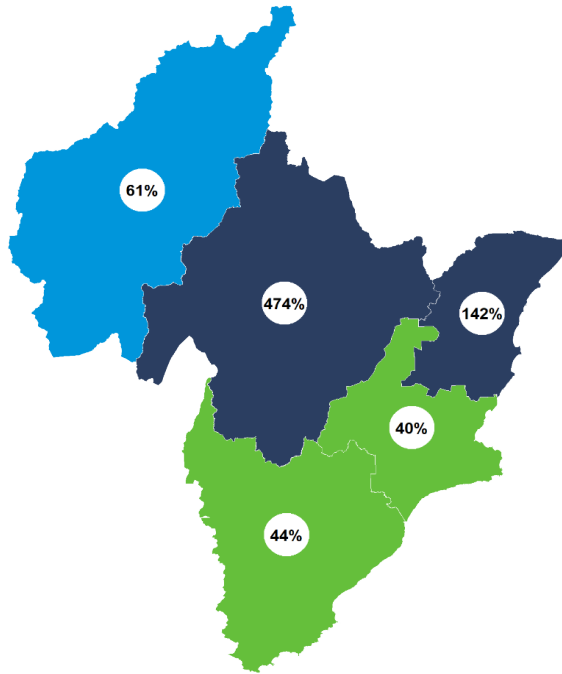
Last 10 years  
2008–18



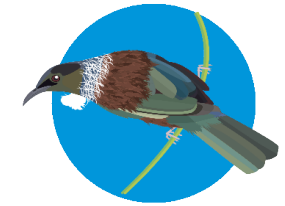
**MODERATE INCREASE REGIONALLY**



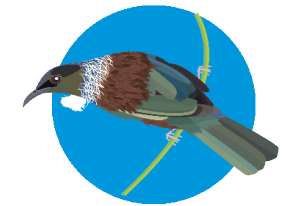
**SHALLOW INCREASE NATIONALLY**



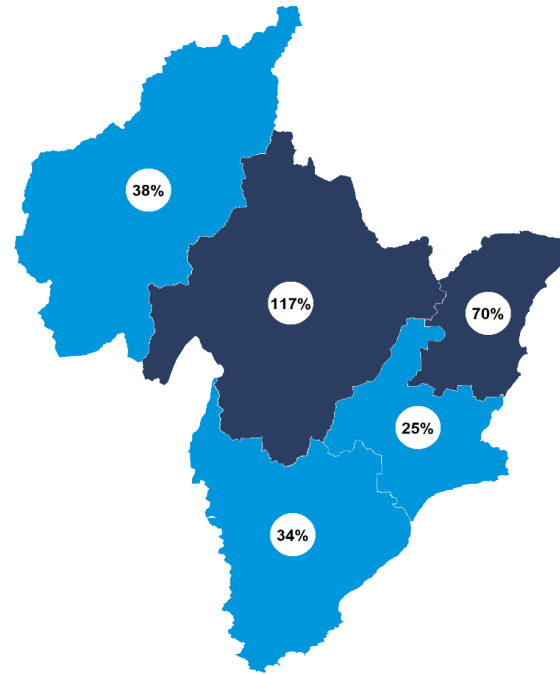
Last 5 years  
2013–18



**MODERATE INCREASE REGIONALLY**



**MODERATE INCREASE NATIONALLY**



- Rapid increase
- Moderate increase
- Shallow increase
- No or little change
- Shallow decline
- Moderate decline
- Rapid decline

# OTAGO | Fantail | Pīwaiwaka

## How have garden bird counts changed in this region?



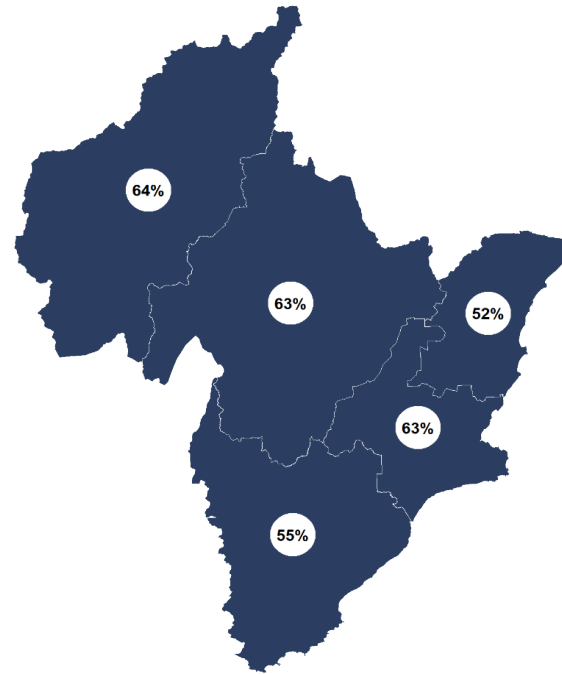
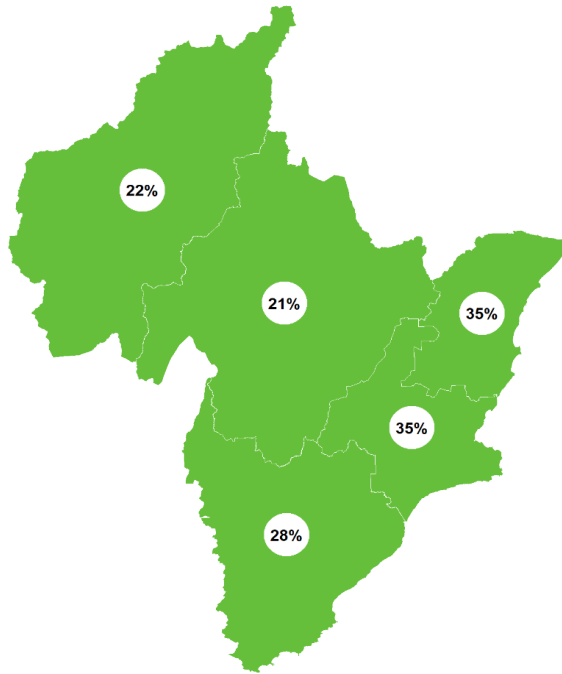
Last 10 years  
2008–18



SHALLOW INCREASE  
REGIONALLY



SHALLOW INCREASE  
NATIONALLY



Last 5 years  
2013–18



RAPID INCREASE  
REGIONALLY



SHALLOW INCREASE  
NATIONALLY

- Rapid increase
- Moderate increase
- Shallow increase
- No or little change
- Shallow decline
- Moderate decline
- Rapid decline

# OTAGO | House sparrow | Tiu

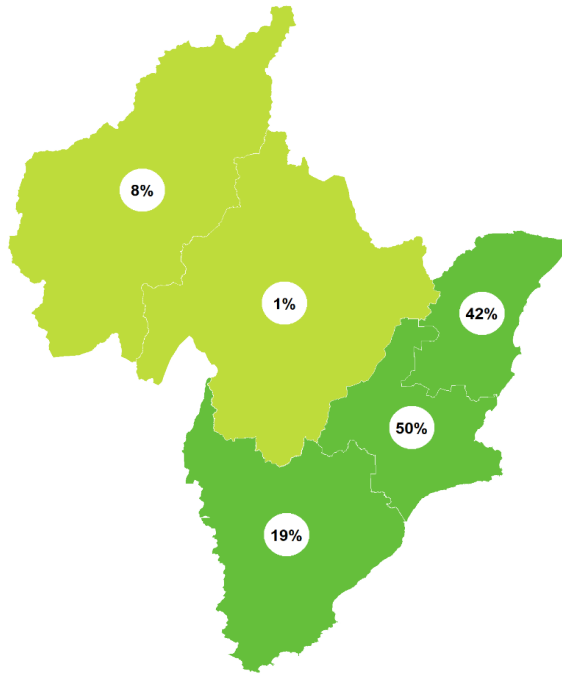
## How have garden bird counts changed in this region?



Last 10 years  
2008–18



SHALLOW INCREASE  
REGIONALLY

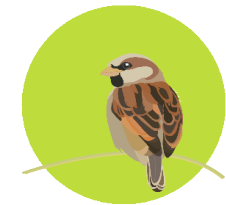
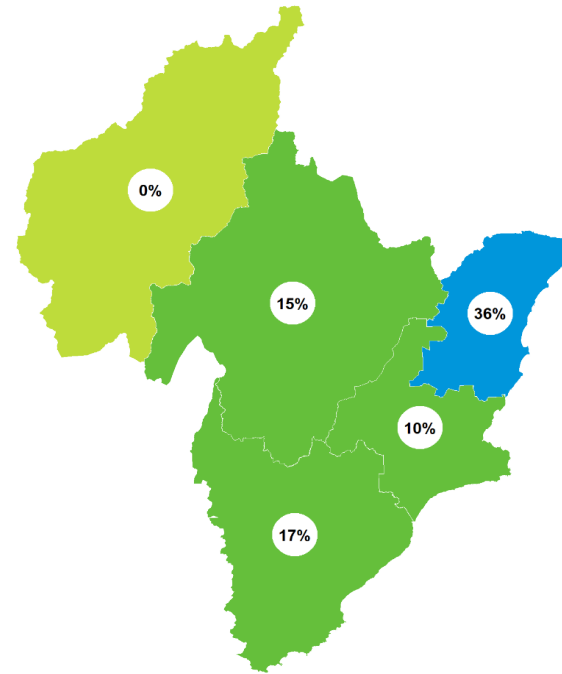


LITTLE OR NO CHANGE  
NATIONALLY

Last 5 years  
2013–18



SHALLOW INCREASE  
REGIONALLY



LITTLE OR NO CHANGE  
NATIONALLY

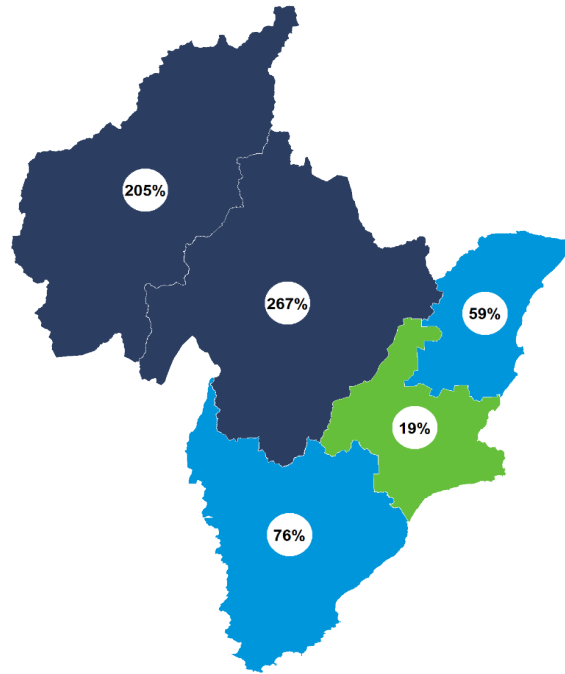
- Rapid increase
- Moderate increase
- Shallow increase
- No or little change
- Shallow decline
- Moderate decline
- Rapid decline

# OTAGO | NZ pigeon | Kererū

## How have garden bird counts changed in this region?

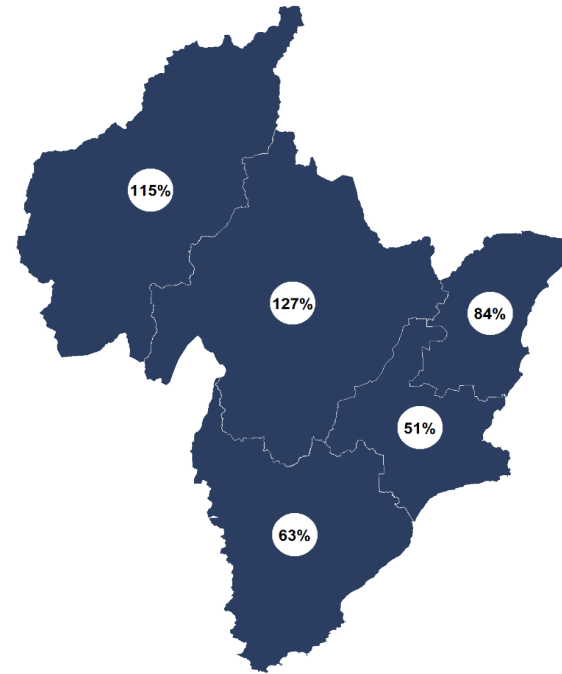
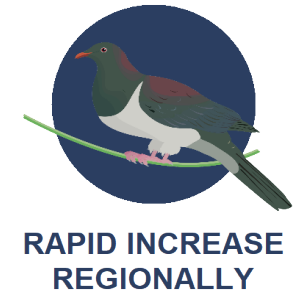


Last 10 years  
2008–18



- Rapid increase
- Moderate increase
- Shallow increase
- No or little change
- Shallow decline
- Moderate decline
- Rapid decline

Last 5 years  
2013–18



# OTAGO | Bellbird | Korimako

## How have garden bird counts changed in this region?



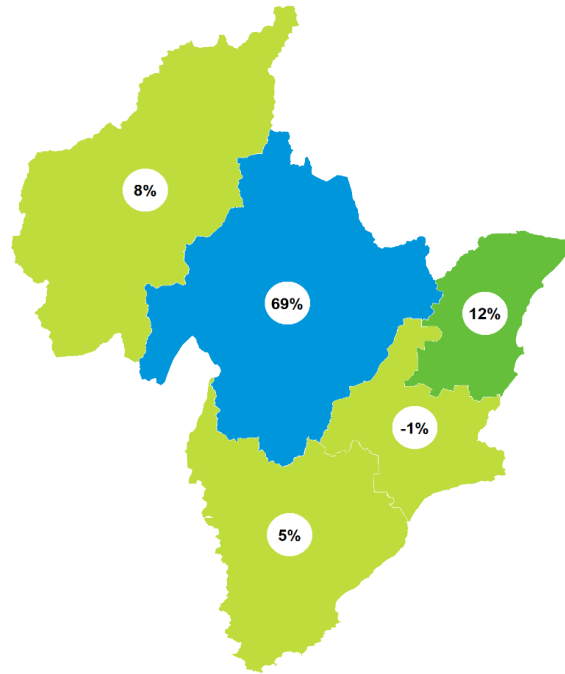
Last 10 years  
2008–18



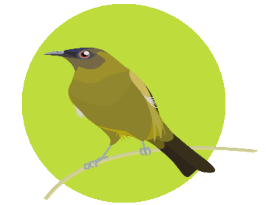
LITTLE OR NO CHANGE  
REGIONALLY



LITTLE OR NO CHANGE  
NATIONALLY



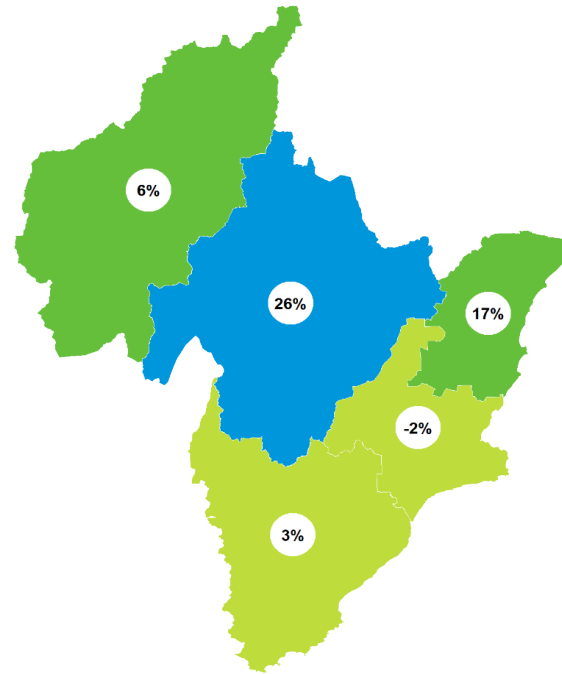
Last 5 years  
2013–18



LITTLE OR NO CHANGE  
REGIONALLY



LITTLE OR NO CHANGE  
NATIONALLY



- Rapid increase
- Shallow decline
- Moderate increase
- Moderate decline
- Shallow increase
- Rapid decline
- No or little change

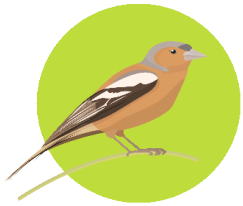


# OTAGO | Chaffinch | Pahirini

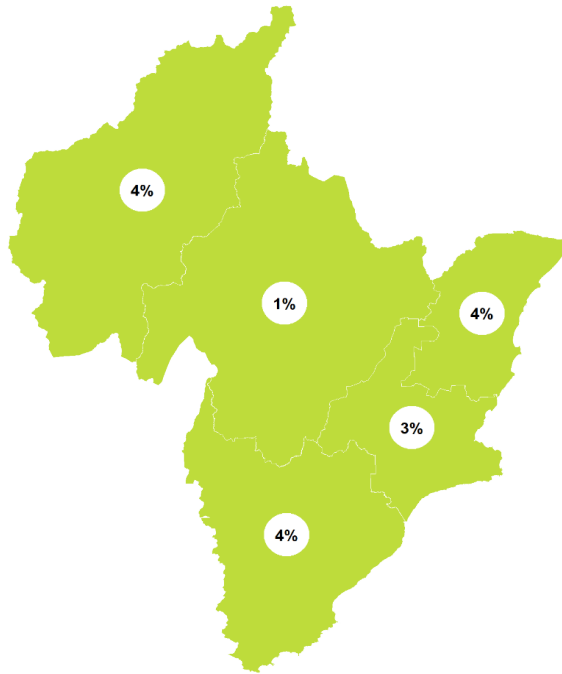
## How have garden bird counts changed in this region?



Last 10 years  
2008–18



LITTLE OR NO CHANGE  
REGIONALLY

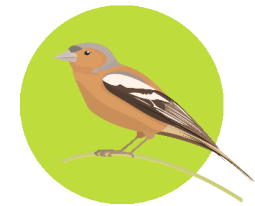
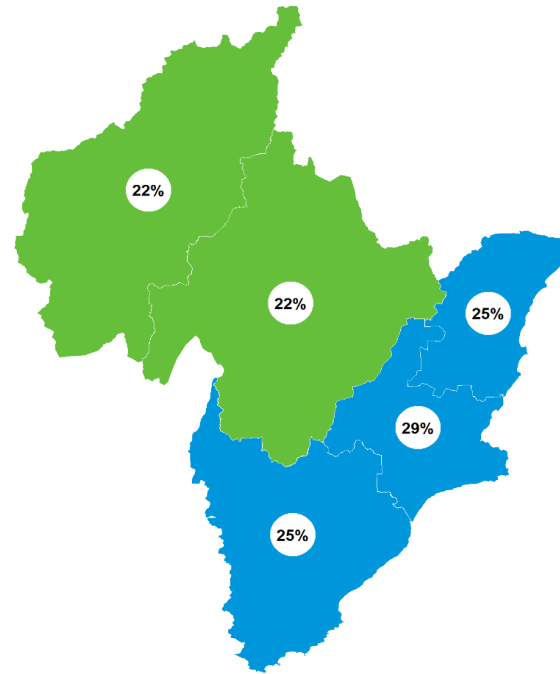


LITTLE OR NO CHANGE  
NATIONALLY

Last 5 years  
2013–18



MODERATE INCREASE  
REGIONALLY



LITTLE OR NO CHANGE  
NATIONALLY

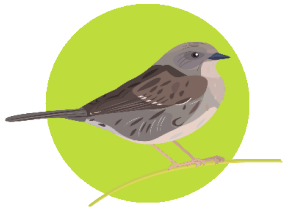
- Rapid increase
- Moderate increase
- Shallow increase
- No or little change
- Shallow decline
- Moderate decline
- Rapid decline

# OTAGO | Dunnock

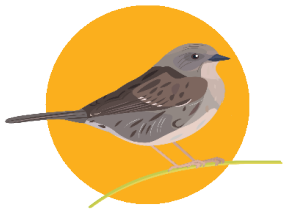
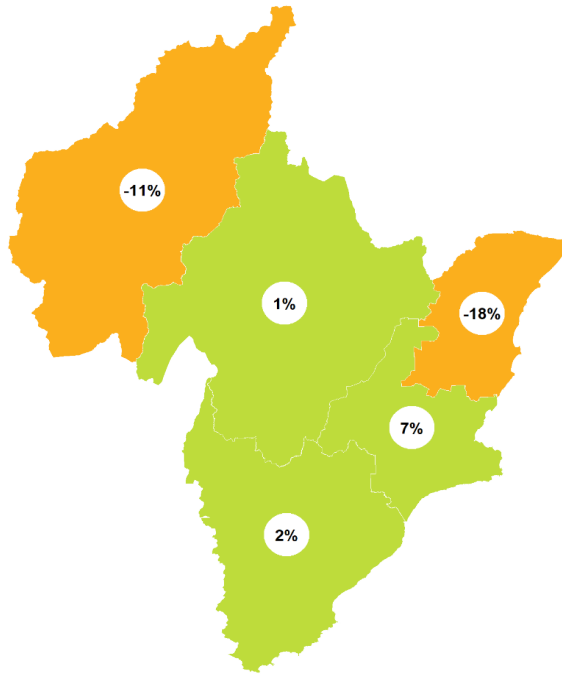
## How have garden bird counts changed in this region?



Last 10 years  
2008–18

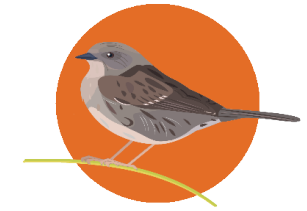


LITTLE OR NO CHANGE REGIONALLY

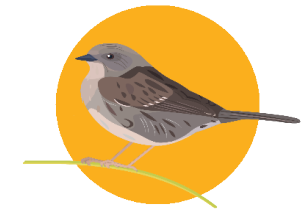
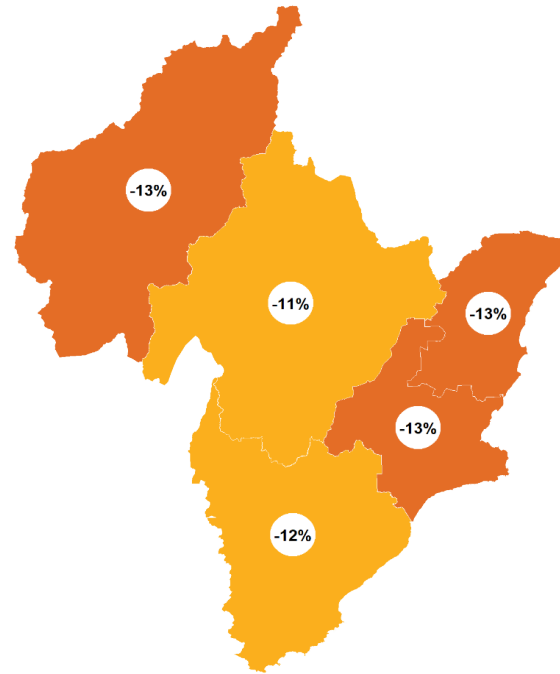


SHALLOW DECLINE NATIONALLY

Last 5 years  
2013–18



MODERATE DECLINE REGIONALLY



SHALLOW DECLINE NATIONALLY

- Rapid increase
- Moderate increase
- Shallow increase
- No or little change
- Shallow decline
- Moderate decline
- Rapid decline

# OTAGO | Blackbird | Manu pango

## How have garden bird counts changed in this region?



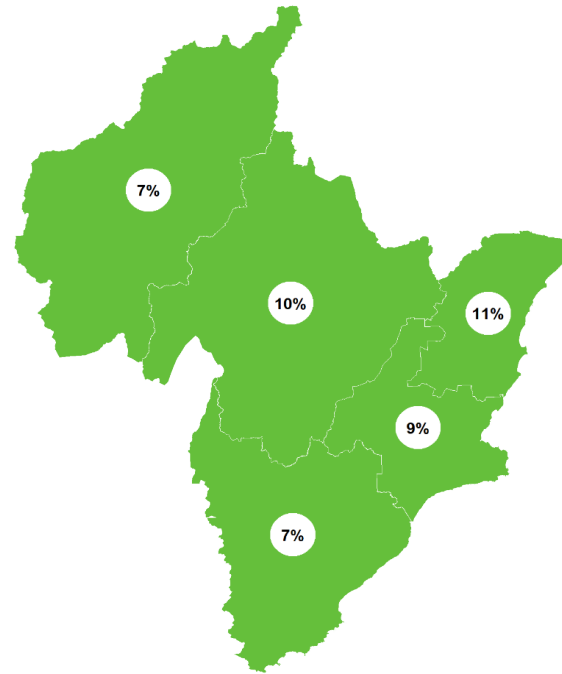
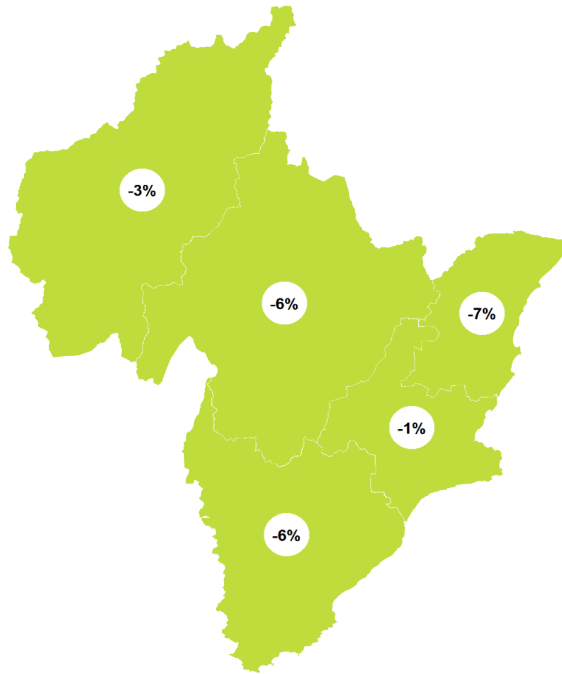
Last 10 years  
2008–18



LITTLE OR NO CHANGE  
REGIONALLY



LITTLE OR NO CHANGE  
NATIONALLY



Last 5 years  
2013–18



SHALLOW INCREASE  
REGIONALLY



SHALLOW INCREASE  
NATIONALLY

- Rapid increase
- Shallow decline
- Moderate increase
- Moderate decline
- Shallow increase
- Rapid decline
- No or little change

# OTAGO | Starling | Tāringi

## How have garden bird counts changed in this region?



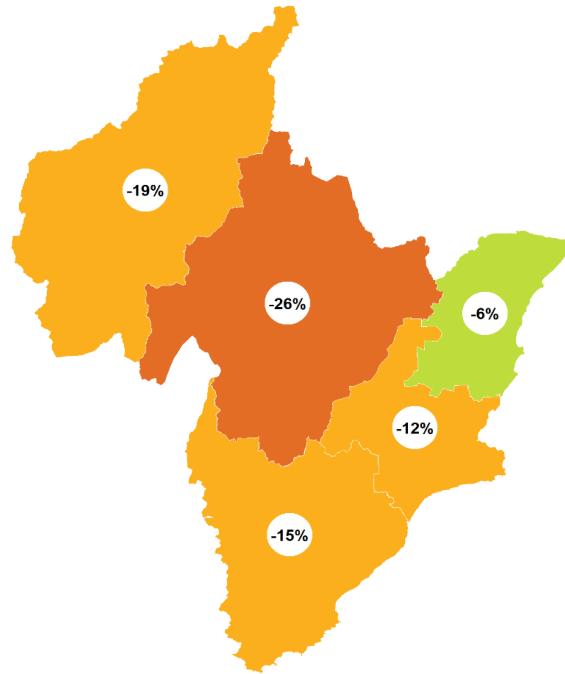
Last 10 years  
2008–18



SHALLOW DECLINE  
REGIONALLY



MODERATE DECLINE  
NATIONALLY



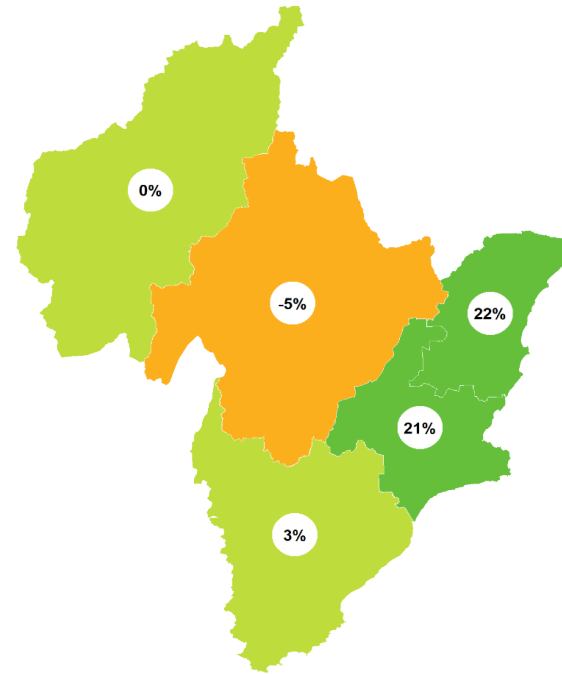
Last 5 years  
2013–18



SHALLOW INCREASE  
REGIONALLY



SHALLOW DECLINE  
NATIONALLY



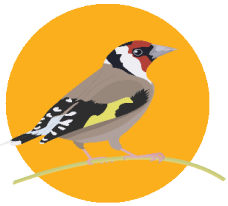
- Rapid increase
- Moderate increase
- Shallow increase
- No or little change
- Shallow decline
- Moderate decline
- Rapid decline

# OTAGO | Goldfinch

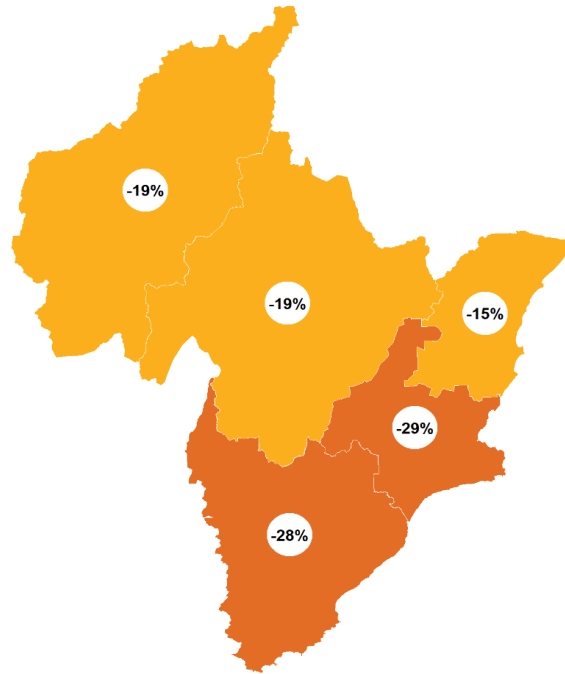
## How have garden bird counts changed in this region?



Last 10 years  
2008–18



SHALLOW DECLINE  
REGIONALLY

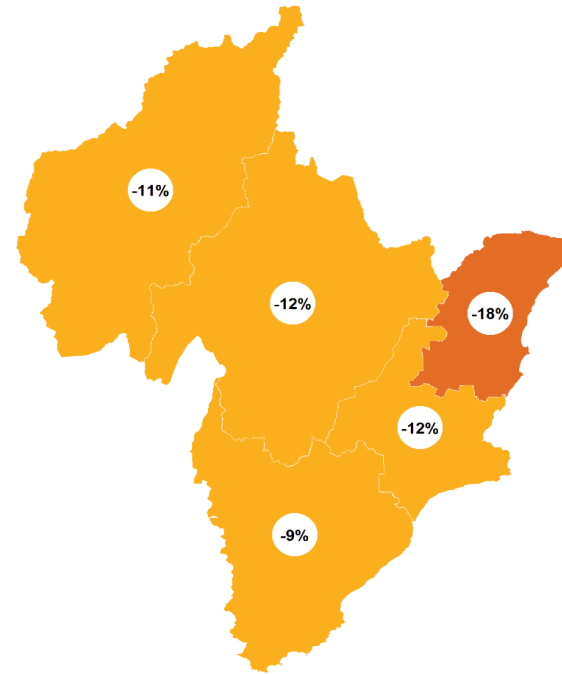


SHALLOW DECLINE  
NATIONALLY

Last 5 years  
2013–18



MODERATE DECLINE  
REGIONALLY



MODERATE DECLINE  
NATIONALLY

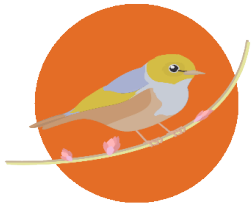
- Rapid increase
- Moderate increase
- Shallow increase
- No or little change
- Shallow decline
- Moderate decline
- Rapid decline

# OTAGO | Silvereye | Tauhou

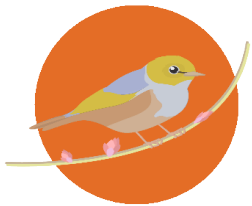
## How have garden bird counts changed in this region?



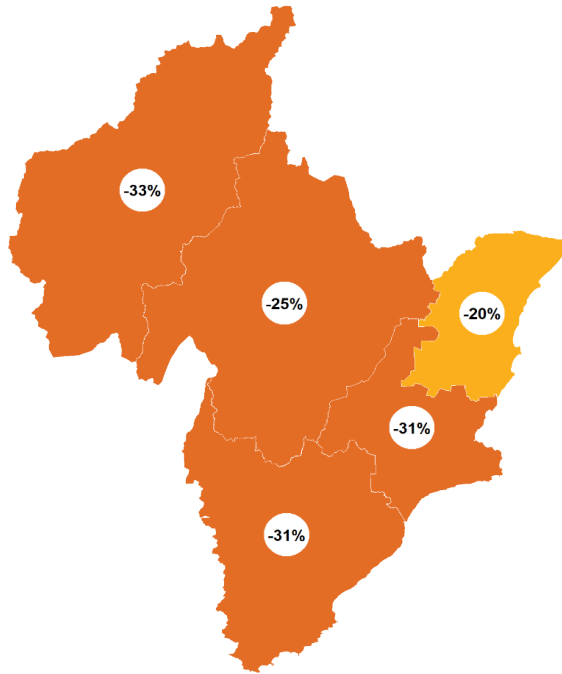
Last 10 years  
2008–18



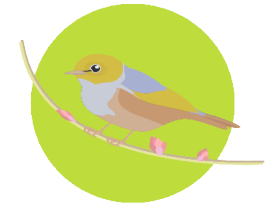
**MODERATE DECLINE  
REGIONALLY**



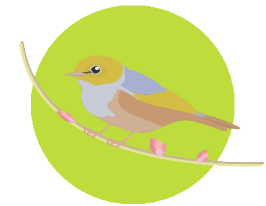
**MODERATE DECLINE  
NATIONALLY**



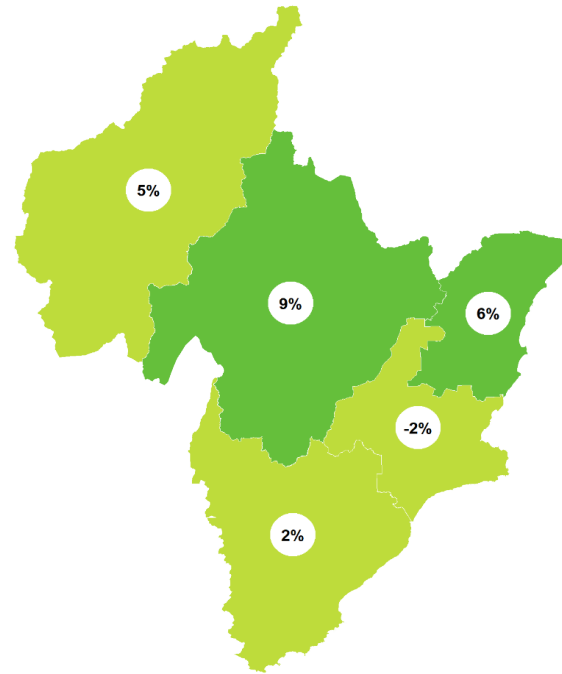
Last 5 years  
2013–18



**LITTLE OR NO CHANGE  
REGIONALLY**



**LITTLE OR NO CHANGE  
NATIONALLY**



- Rapid increase
- Moderate increase
- Shallow increase
- No or little change
- Shallow decline
- Moderate decline
- Rapid decline

# OTAGO | Song thrush

## How have garden bird counts changed in this region?



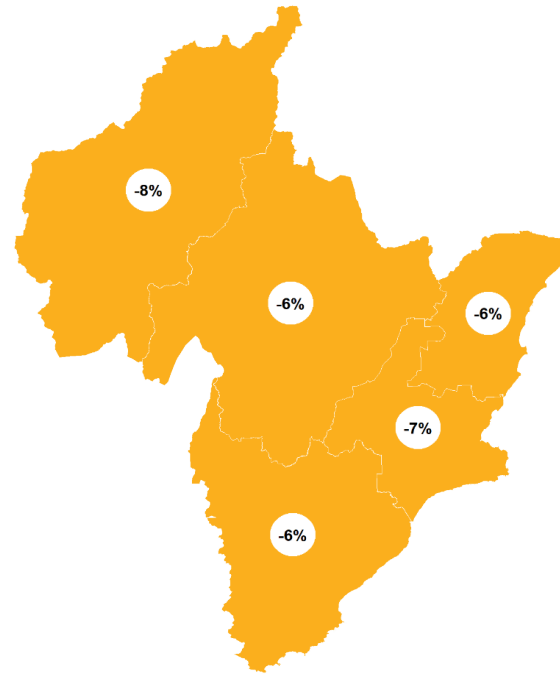
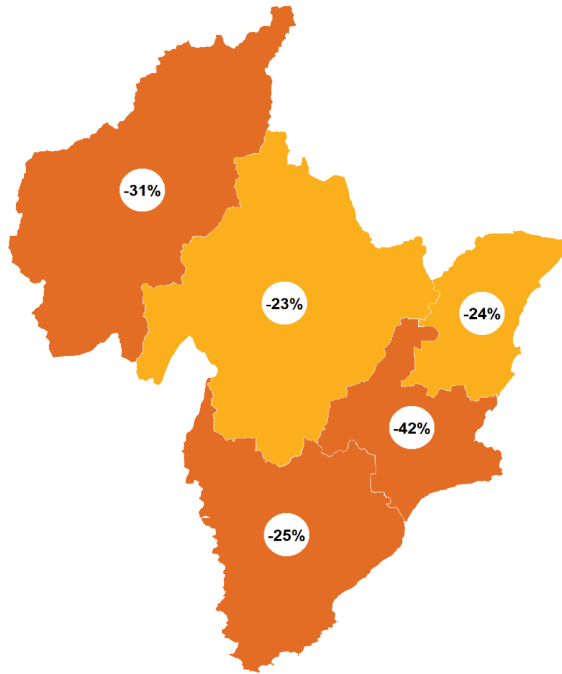
Last 10 years  
2008–18



**MODERATE DECLINE  
REGIONALLY**



**SHALLOW DECLINE  
NATIONALLY**



Last 5 years  
2013–18



**SHALLOW DECLINE  
REGIONALLY**



**LITTLE OR NO CHANGE  
NATIONALLY**

- Rapid increase
- Moderate increase
- Shallow increase
- No or little change
- Shallow decline
- Moderate decline
- Rapid decline



New Zealand  
**GARDEN  
BIRD  
SURVEY**

**2019**  
29 June to 7 July

**Visit our webpage to learn more:**  
[gardenbirdsurvey.landcareresearch.co.nz](http://gardenbirdsurvey.landcareresearch.co.nz)

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**Manaaki  
Whenua**  
Landcare  
Research