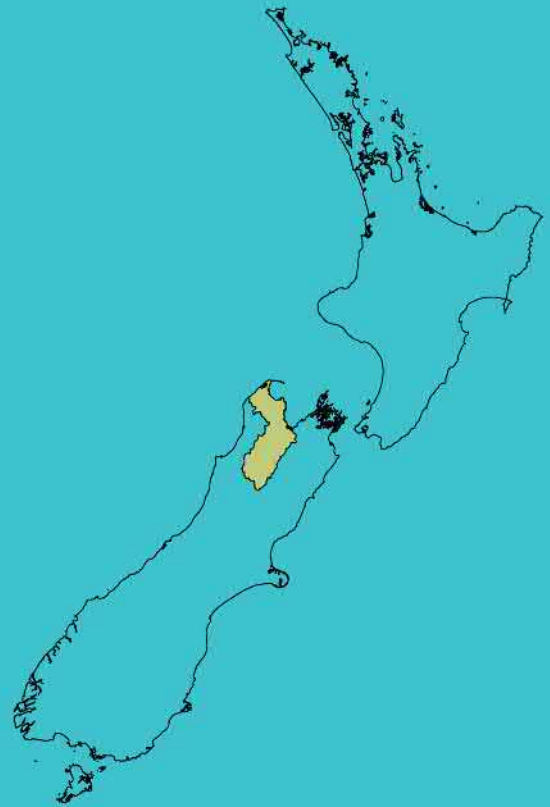




New Zealand  
**GARDEN  
BIRD  
SURVEY**



## TASMAN REGION

# State of NZ Garden Birds

Te Āhua o ngā Manu o te Kāri i Aotearoa

# 2017

### NUMBER OF SURVEYED GARDENS



Manaaki  
Whenua  
Landcare  
Research

We have estimated how bird counts have changed since 2007 in different regions and towns across New Zealand for 14 common garden visitors – five native and nine introduced birds.

Thanks to all our volunteer bird counters, 31,679 garden surveys have been completed nationwide since 2007. We use specialised statistical tools to account for variation in sampling effort between regions, towns 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

### Counts decline ←

50% or more

25% or more

10% or more

RAPID DECLINE

MODERATE DECLINE

SHALLOW DECLINE

NO OR LITTLE CHANGE

### Counts increase →

Over 10%

Over 50%

Over 100%

SHALLOW INCREASE

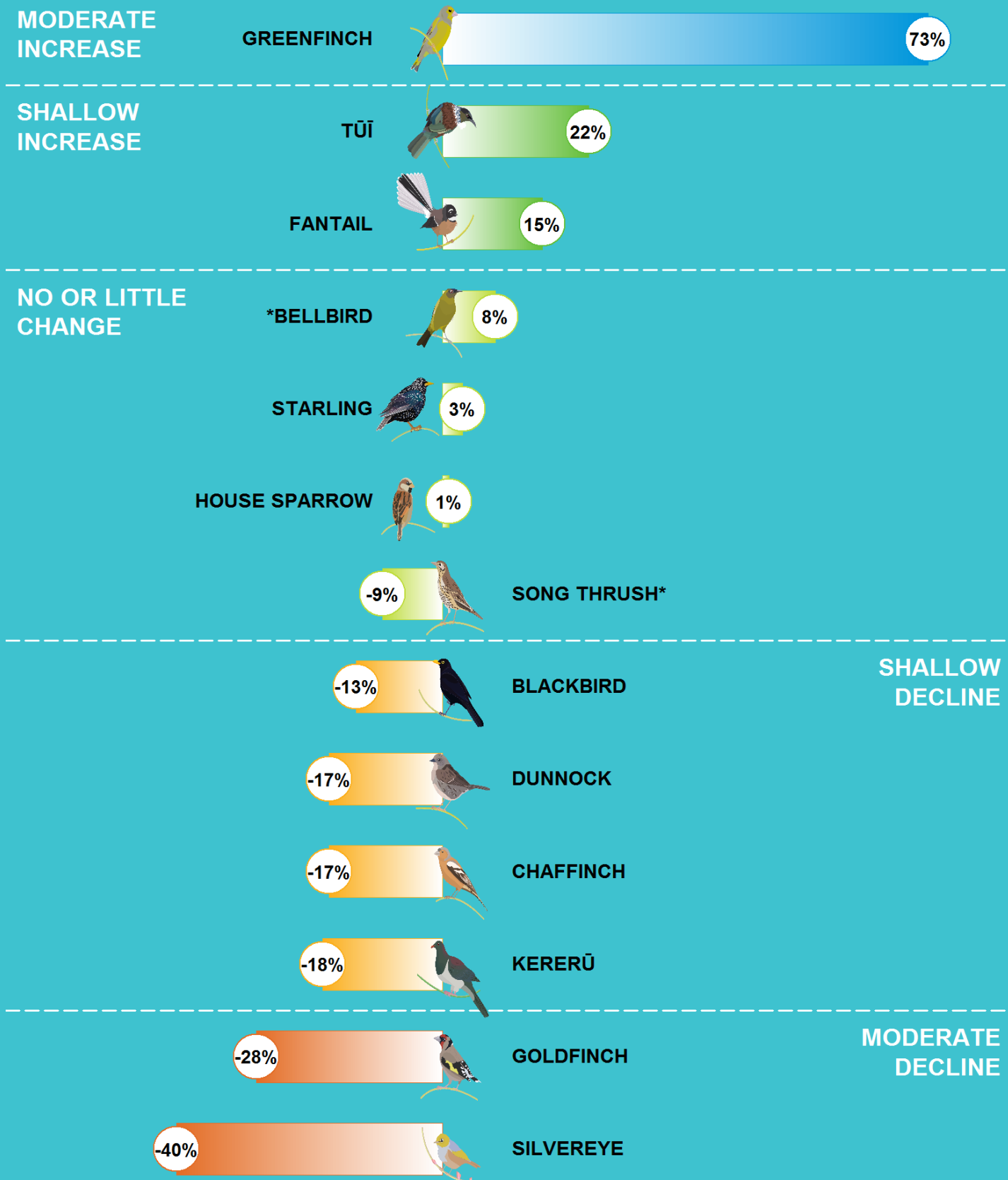
MODERATE INCREASE

RAPID INCREASE

# How have bird counts changed?



## TASMAN REGION | 2007-2017

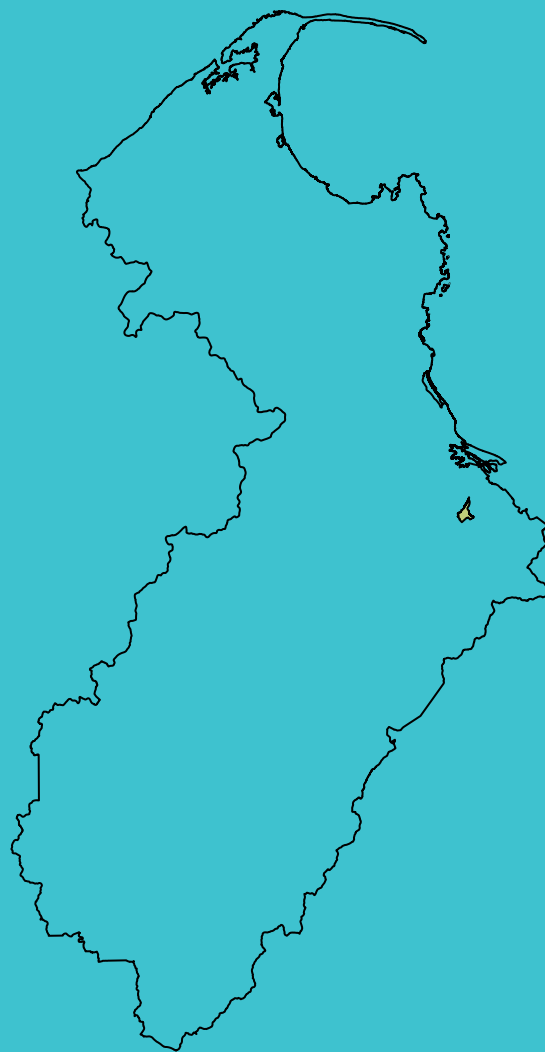


Data source: 31,679 garden surveys nationwide between 2007 and 2017. This includes 616 garden surveys in this specific area.

\* Based on available data, evidence for these species' estimates is weak.



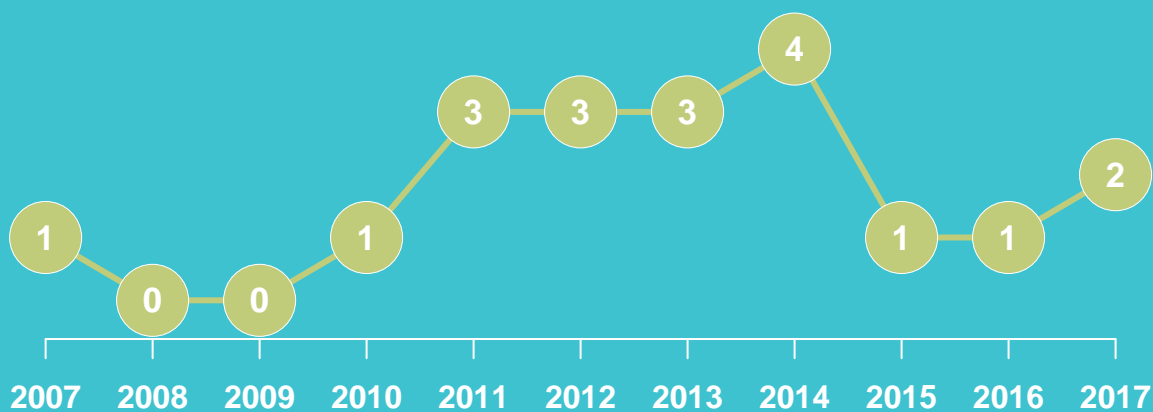
New Zealand  
**GARDEN  
BIRD  
SURVEY**



# TASMAN REGION

## BRIGHTWATER

NUMBER OF SURVEYED GARDENS



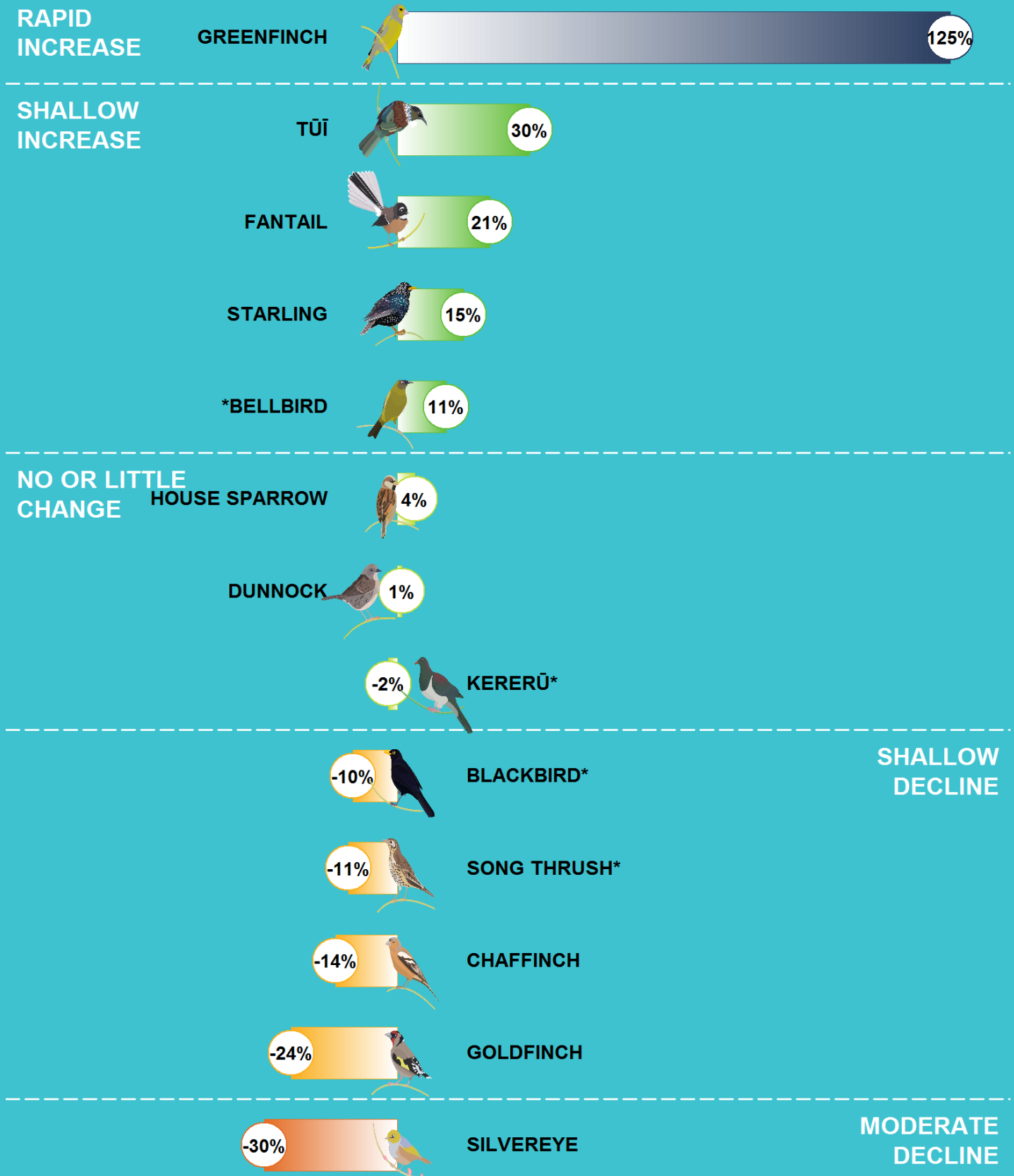
**Manaaki  
Whenua**  
Landcare  
Research

# How have bird counts changed?



TASMAN REGION | 2007-2017

## Brightwater

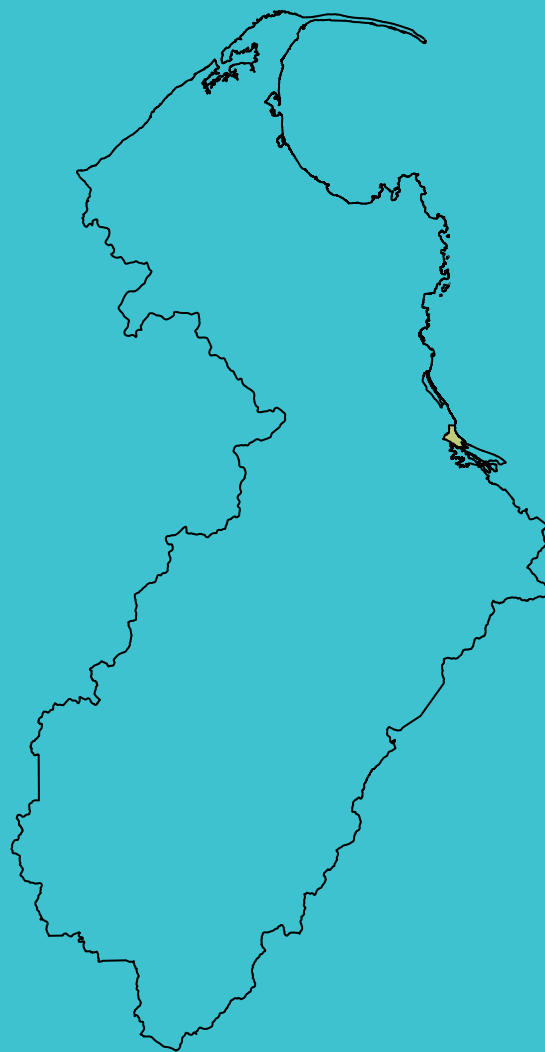


Data source: 31,679 garden surveys nationwide between 2007 and 2017. This includes 19 garden surveys in this specific area.

\* Based on available data, evidence for these species' estimates is weak.



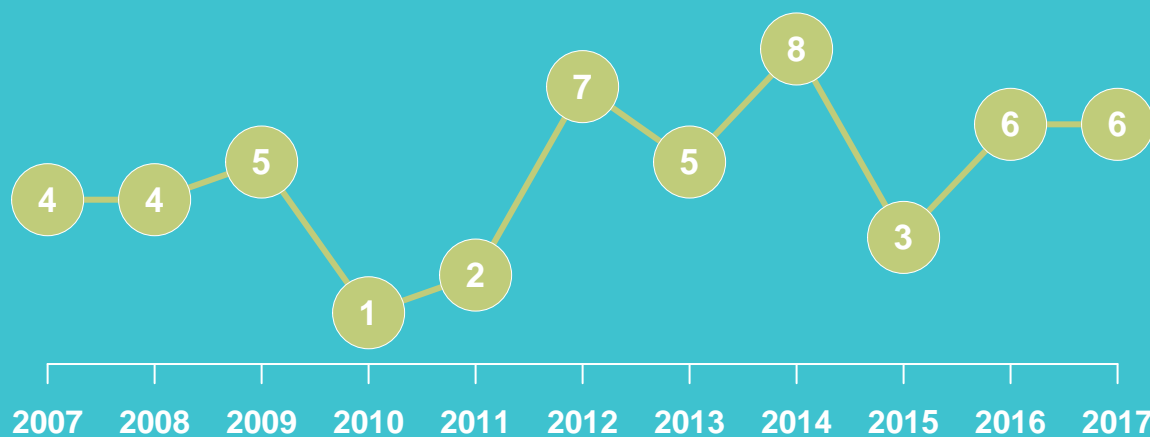
New Zealand  
**GARDEN  
BIRD  
SURVEY**



# TASMAN REGION

## MAPUA

NUMBER OF SURVEYED GARDENS



Manaaki  
Whenua  
Landcare  
Research

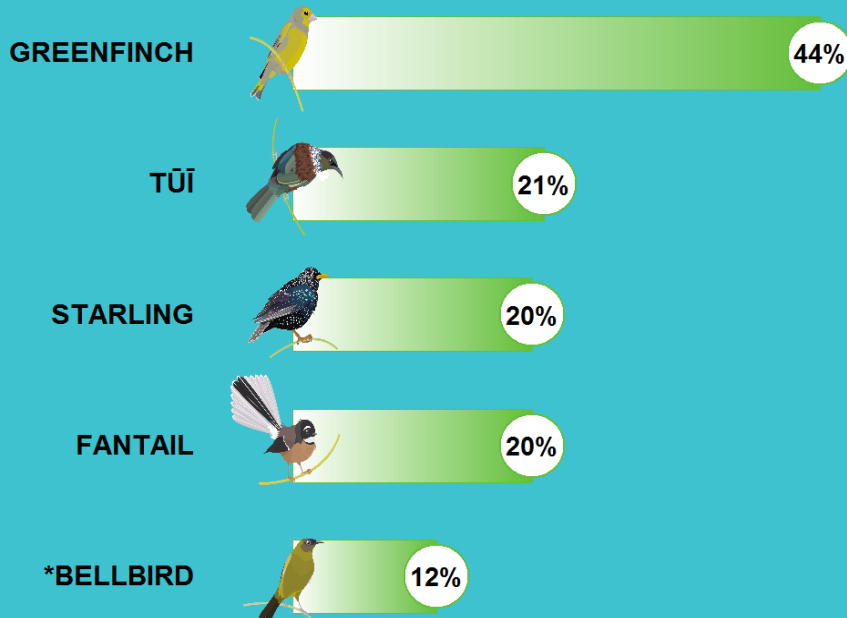
# How have bird counts changed?

TASMAN REGION | 2007-2017

## Mapua



### SHALLOW INCREASE



### NO OR LITTLE CHANGE



### SHALLOW DECLINE



### MODERATE DECLINE

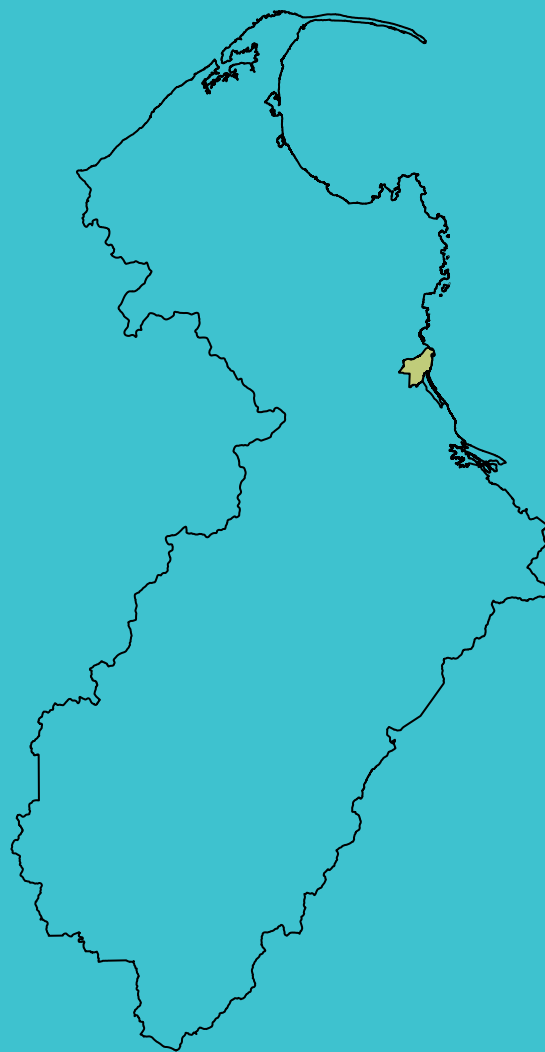


Data source: 31,679 garden surveys nationwide between 2007 and 2017. This includes 51 garden surveys in this specific area.

\* Based on available data, evidence for these species' estimates is weak.



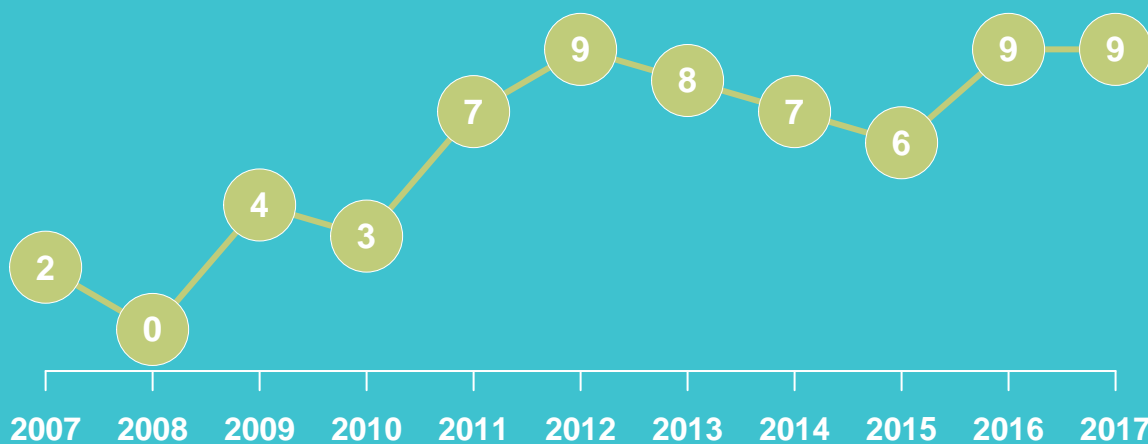
New Zealand  
**GARDEN  
BIRD  
SURVEY**



# TASMAN REGION

## MOTUEKA

NUMBER OF SURVEYED GARDENS



**Manaaki  
Whenua**  
Landcare  
Research

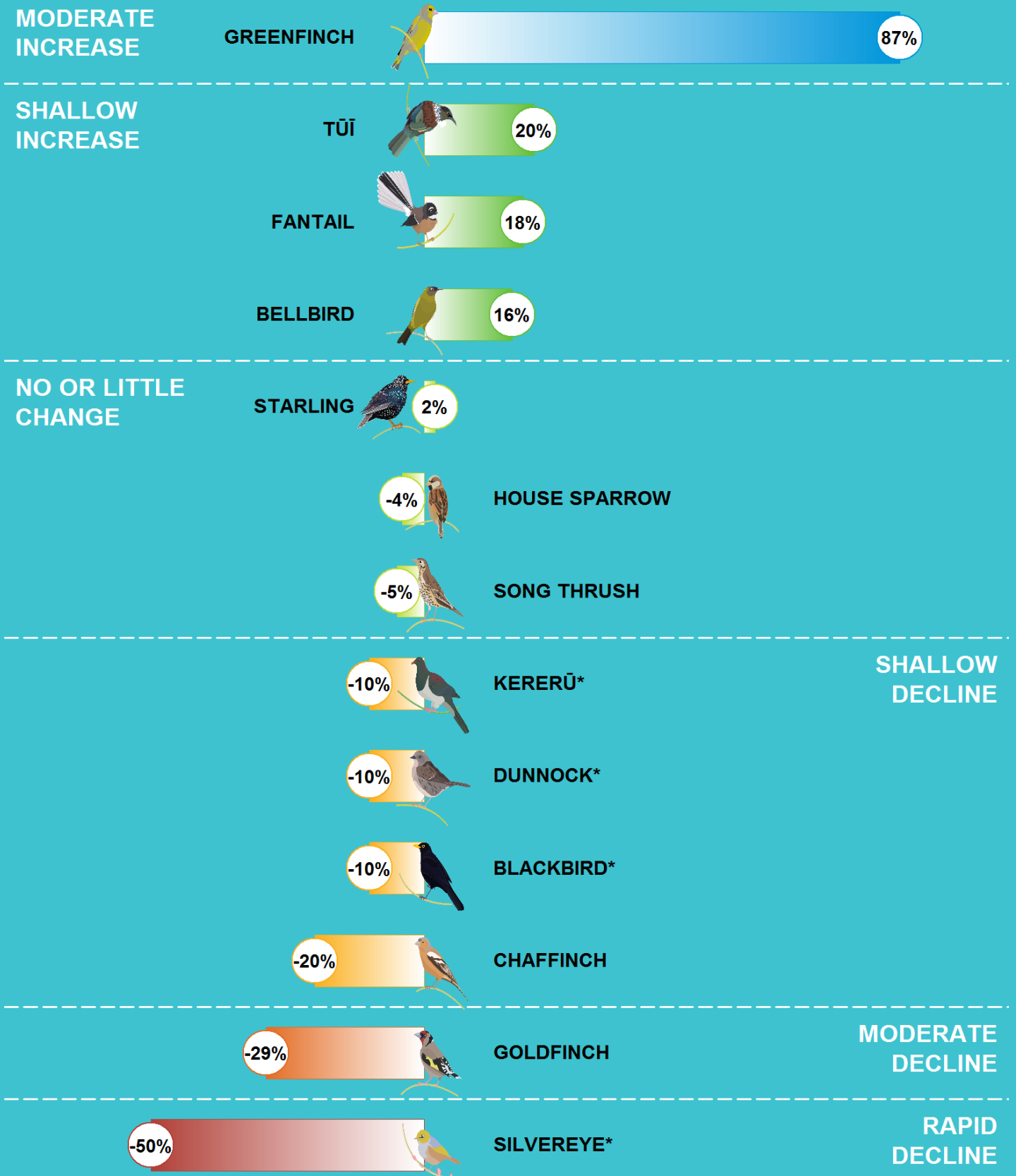


# How have bird counts changed?



TASMAN REGION | 2007-2017

## Motueka

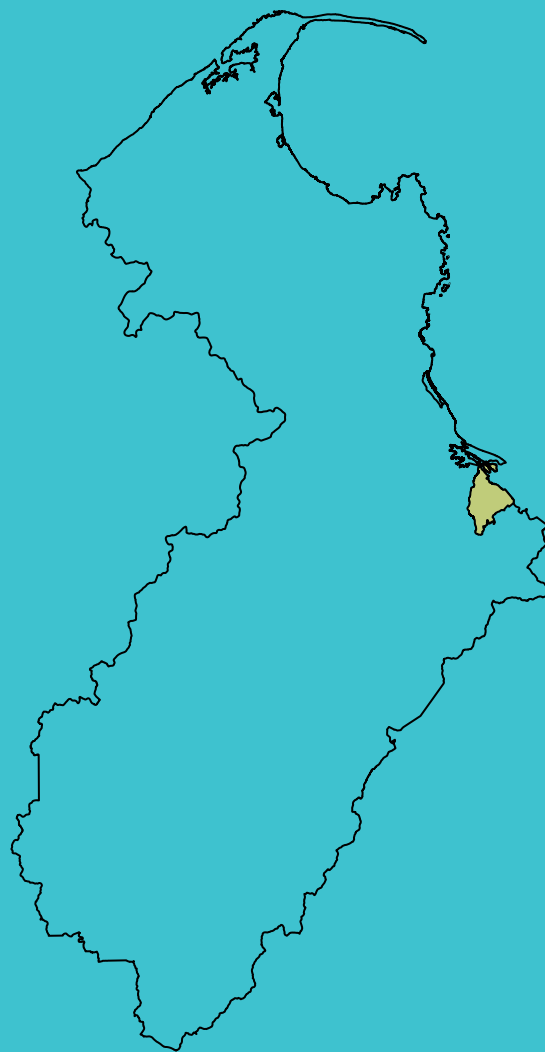


Data source: 31,679 garden surveys nationwide between 2007 and 2017. This includes 64 garden surveys in this specific area.

\* Based on available data, evidence for these species' estimates is weak.



New Zealand  
**GARDEN  
BIRD  
SURVEY**



# TASMAN REGION

## NELSON

NUMBER OF SURVEYED GARDENS

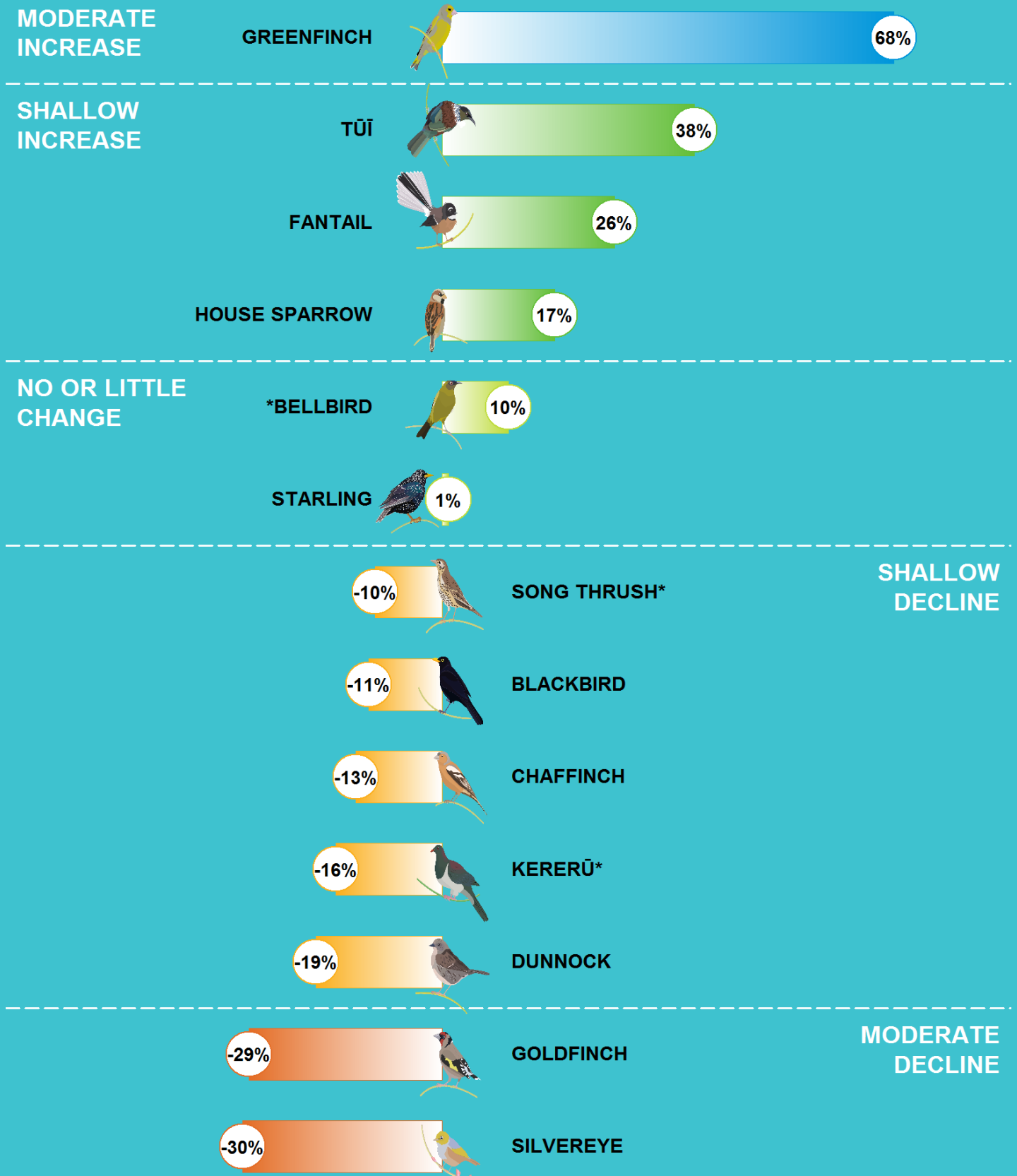


**Manaaki  
Whenua**  
Landcare  
Research

# How have bird counts changed?

TASMAN REGION | 2007-2017

Nelson

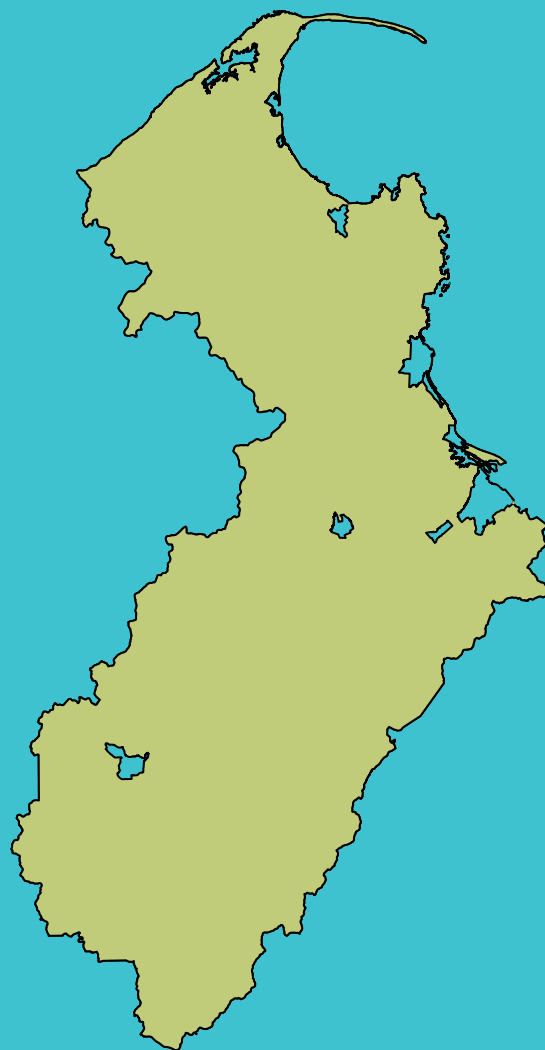


Data source: 31,679 garden surveys nationwide between 2007 and 2017. This includes 116 garden surveys in this specific area.

\* Based on available data, evidence for these species' estimates is weak.



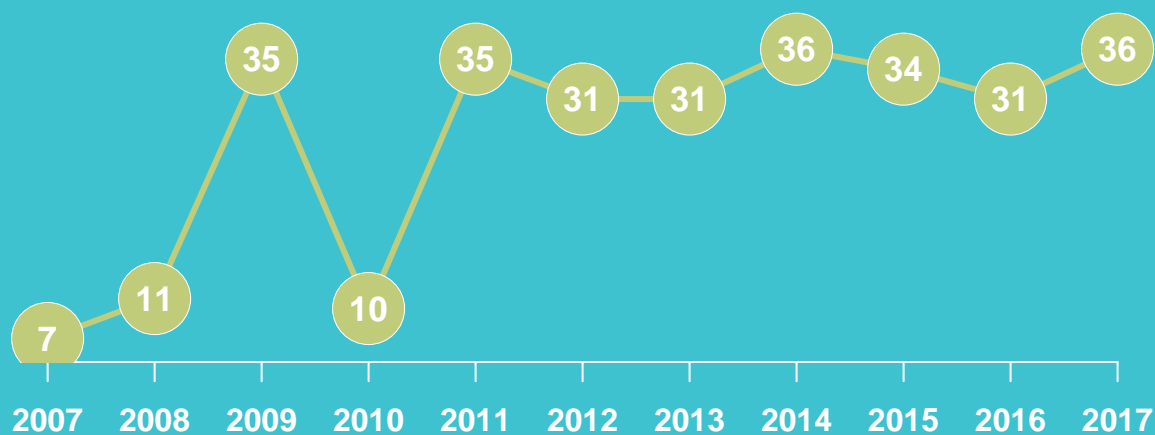
New Zealand  
**GARDEN  
BIRD  
SURVEY**



## TASMAN REGION

### RURAL (INCL.SOME OFF SHORE ISLANDS)

NUMBER OF SURVEYED GARDENS



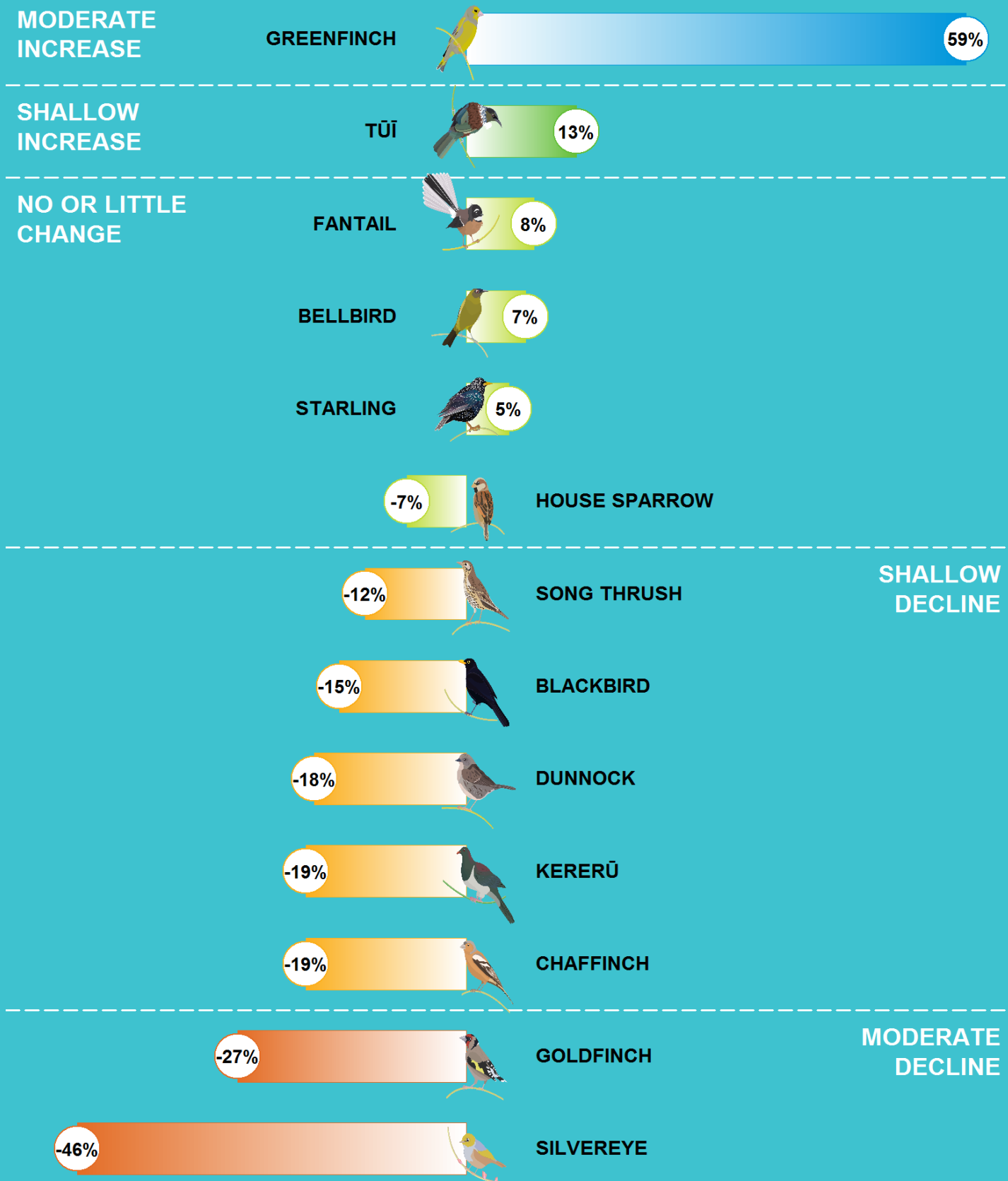
Manaaki  
Whenua  
Landcare  
Research

# How have bird counts changed?



TASMAN REGION | 2007-2017

Rural (Incl.some Off Shore Islands)

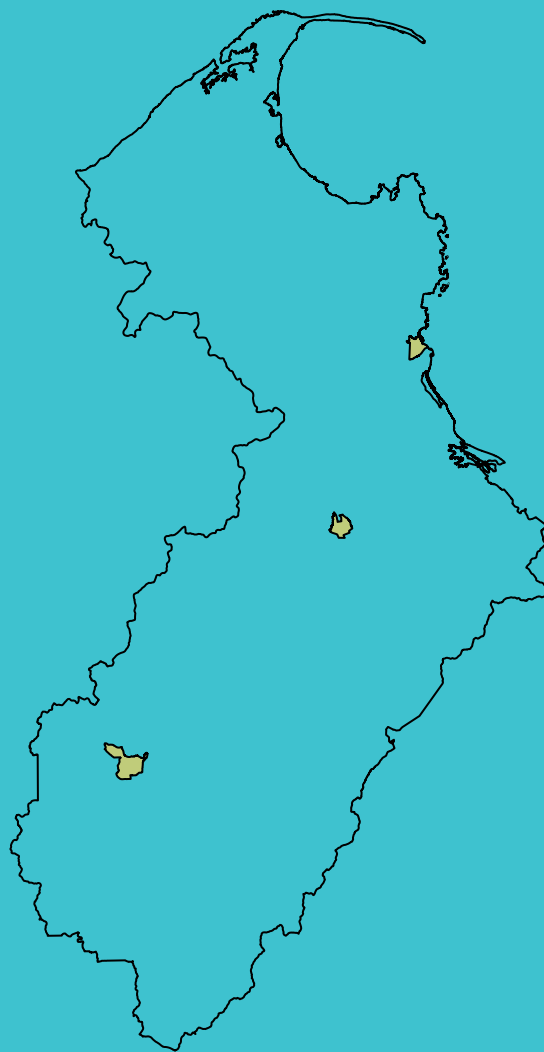


Data source: 31,679 garden surveys nationwide between 2007 and 2017. This includes 297 garden surveys in this specific area.

\* Based on available data, evidence for these species' estimates is weak.



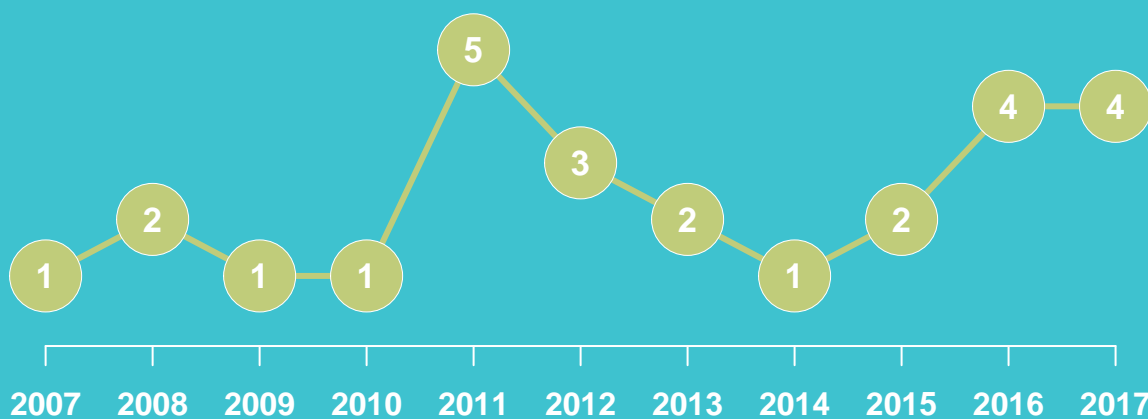
New Zealand  
**GARDEN  
BIRD  
SURVEY**



# TASMAN REGION

## RURAL CENTRE

NUMBER OF SURVEYED GARDENS



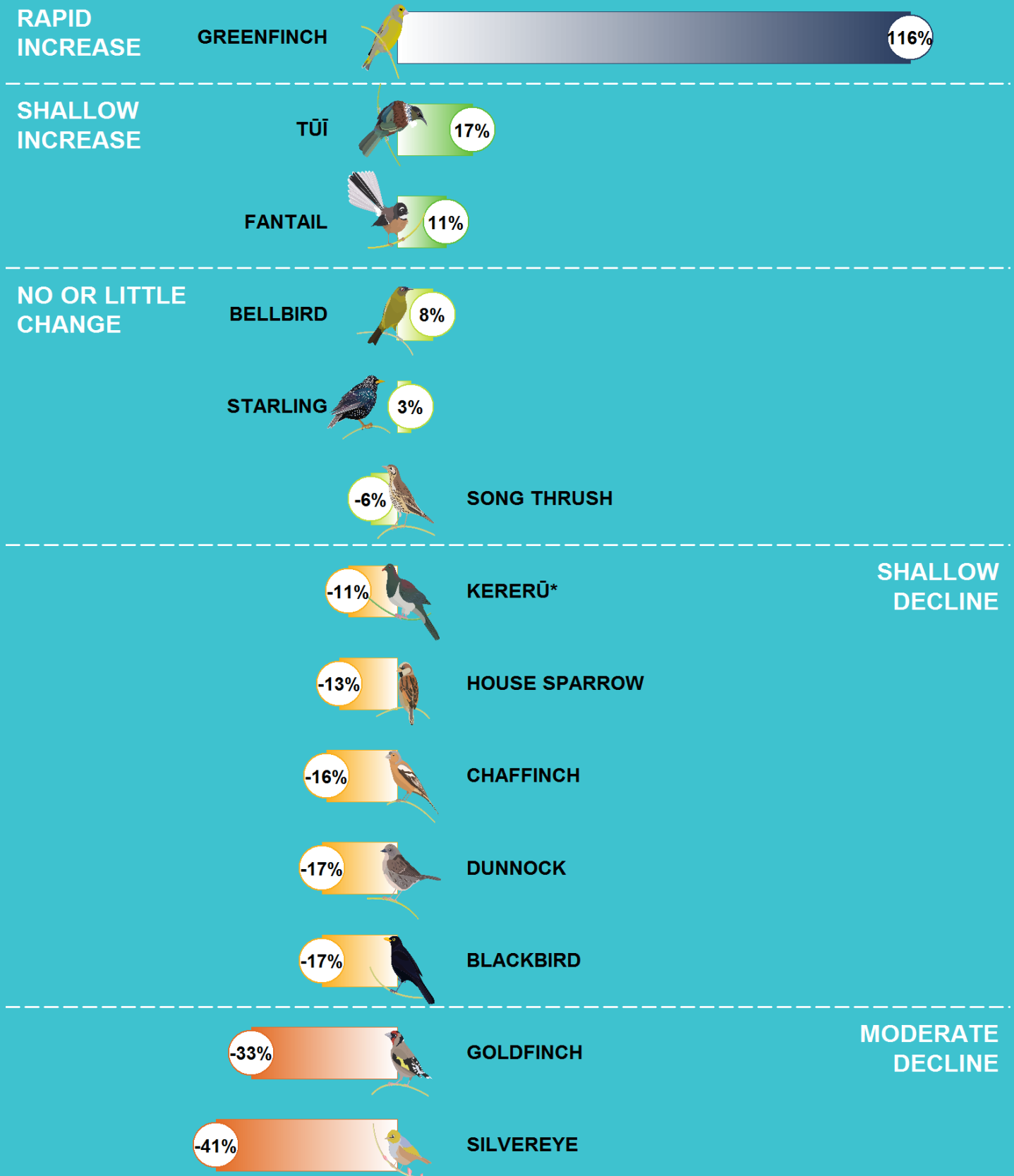
**Manaaki  
Whenua**  
Landcare  
Research

# How have bird counts changed?



TASMAN REGION | 2007-2017

Rural Centre

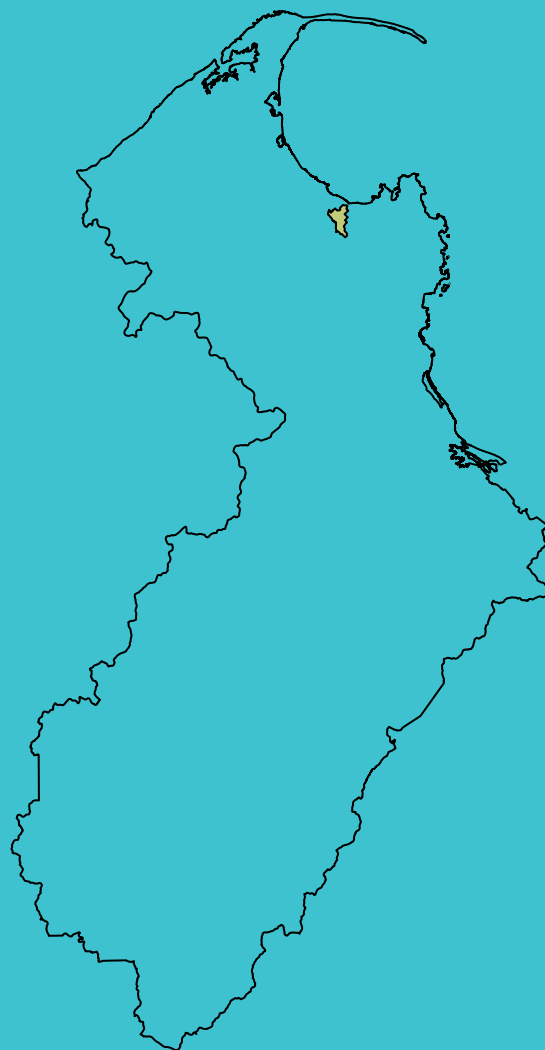


Data source: 31,679 garden surveys nationwide between 2007 and 2017. This includes 26 garden surveys in this specific area.

\* Based on available data, evidence for these species' estimates is weak.



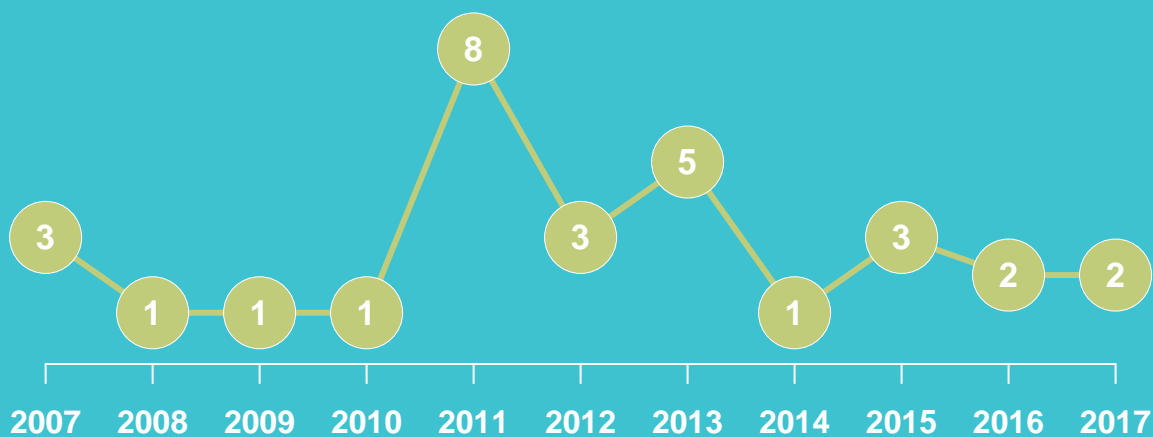
New Zealand  
**GARDEN  
BIRD  
SURVEY**



# TASMAN REGION

## TAKAKA

NUMBER OF SURVEYED GARDENS



**Manaaki  
Whenua**  
Landcare  
Research

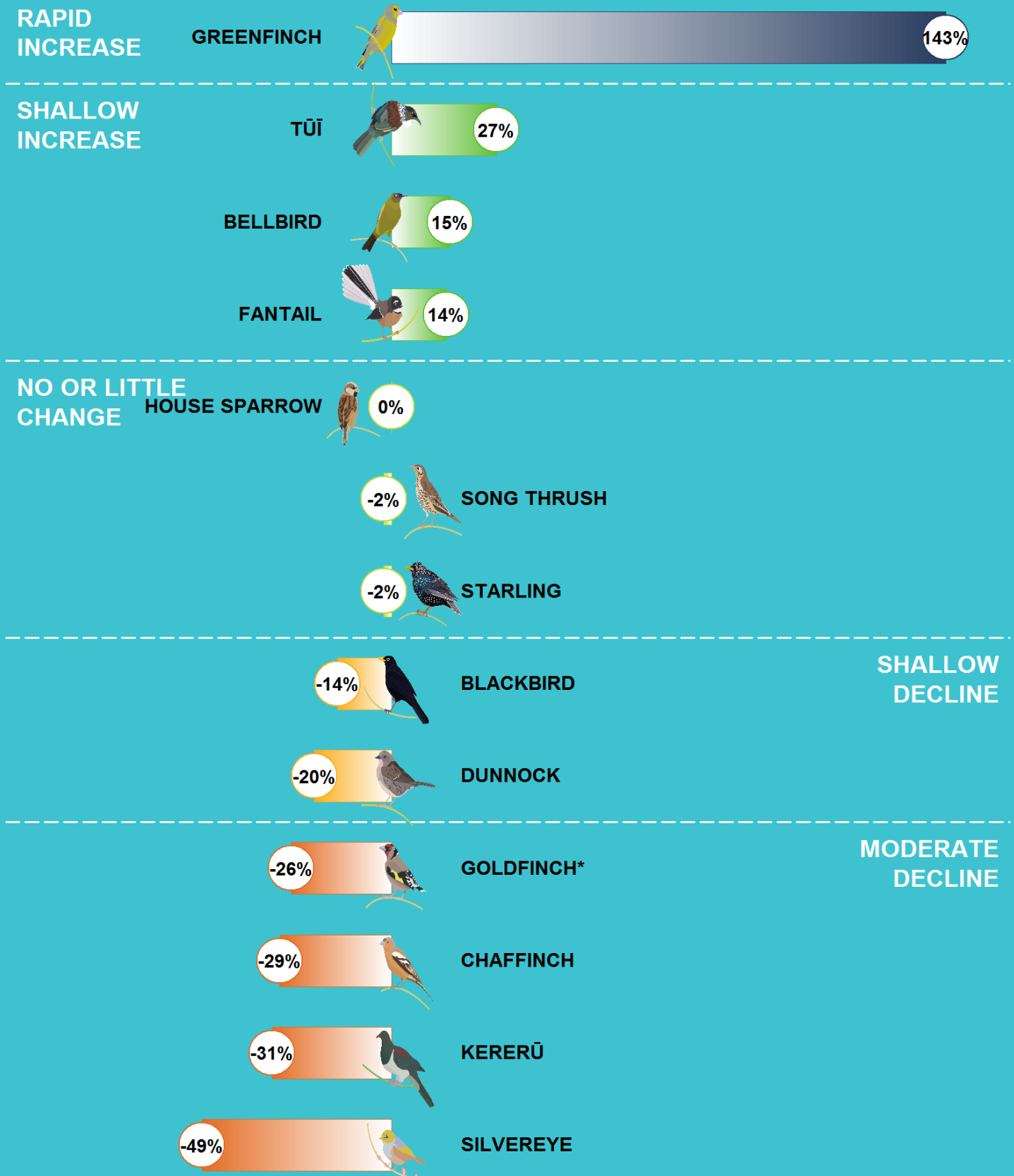


# How have bird counts changed?



## TASMAN REGION | 2007-2017

### Takaka

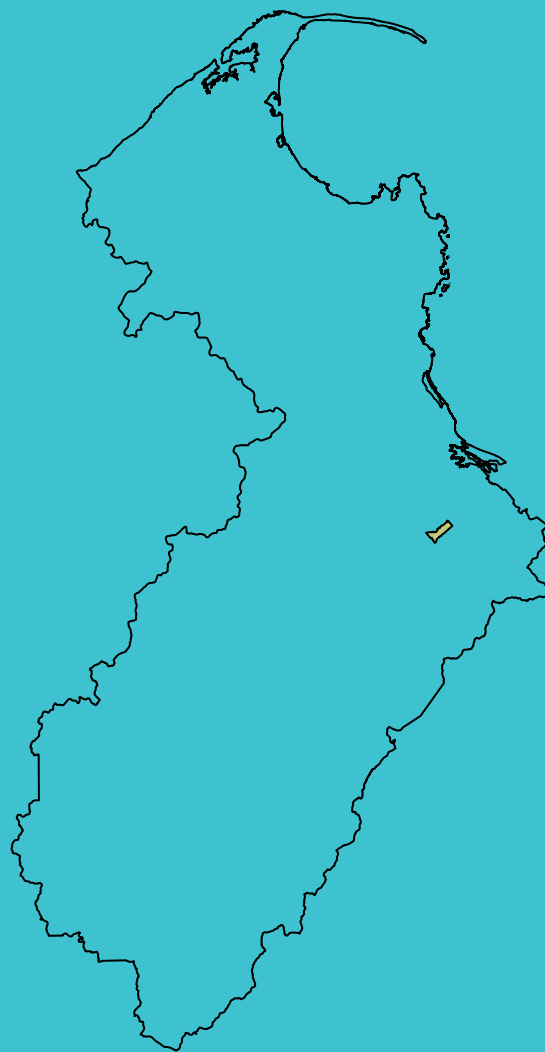


Data source: 31,679 garden surveys nationwide between 2007 and 2017. This includes 30 garden surveys in this specific area.

\* Based on available data, evidence for these species' estimates is weak.



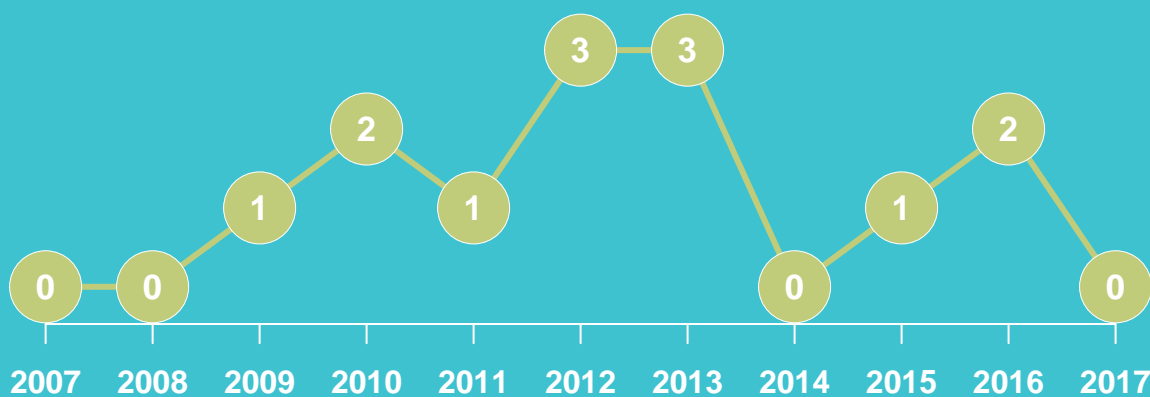
New Zealand  
**GARDEN  
BIRD  
SURVEY**



# TASMAN REGION

## WAKEFIELD

NUMBER OF SURVEYED GARDENS

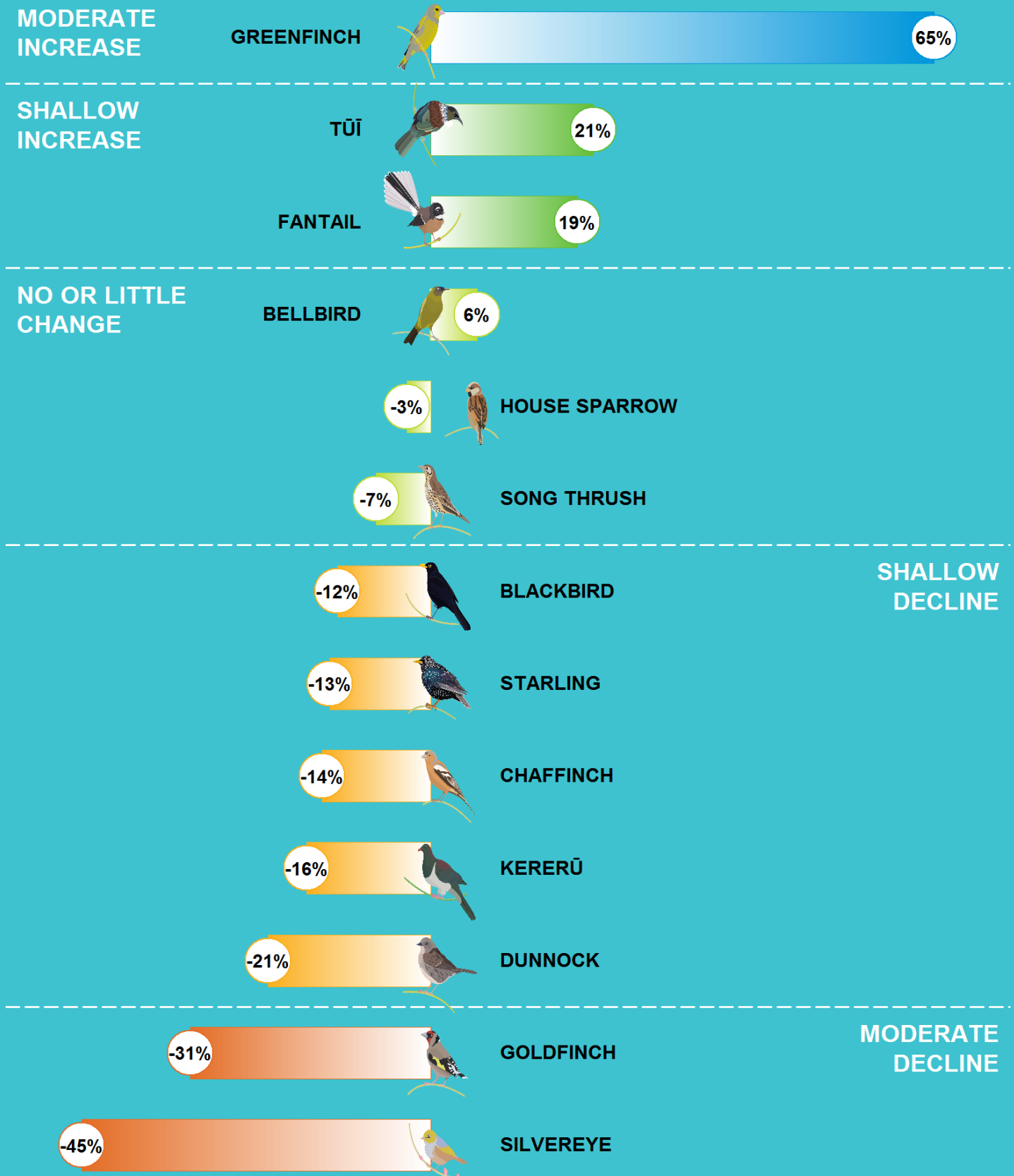


**Manaaki  
Whenua**  
Landcare  
Research

# How have bird counts changed?

TASMAN REGION | 2007-2017

Wakefield



Data source: 31,679 garden surveys nationwide between 2007 and 2017. This includes 13 garden surveys in this specific area.

\* Based on available data, evidence for these species' estimates is weak.



New Zealand

**GARDEN  
BIRD  
SURVEY**

# 2018

30 June to 8 July

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

This report should be cited as: MacLeod CJ, Spurr EB, Brandt AJ, Green P. 2018.

State of NZ Garden Birds 2017 | Te Āhua o ngā Manu o te Kāri i Aotearoa

Manaaki Whenua - Landcare Research, Lincoln. ISBN 978-0-947525-43-9.



**Manaaki  
Whenua**  
Landcare  
Research