



New Zealand  
**GARDEN  
BIRD  
SURVEY**



## NELSON 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

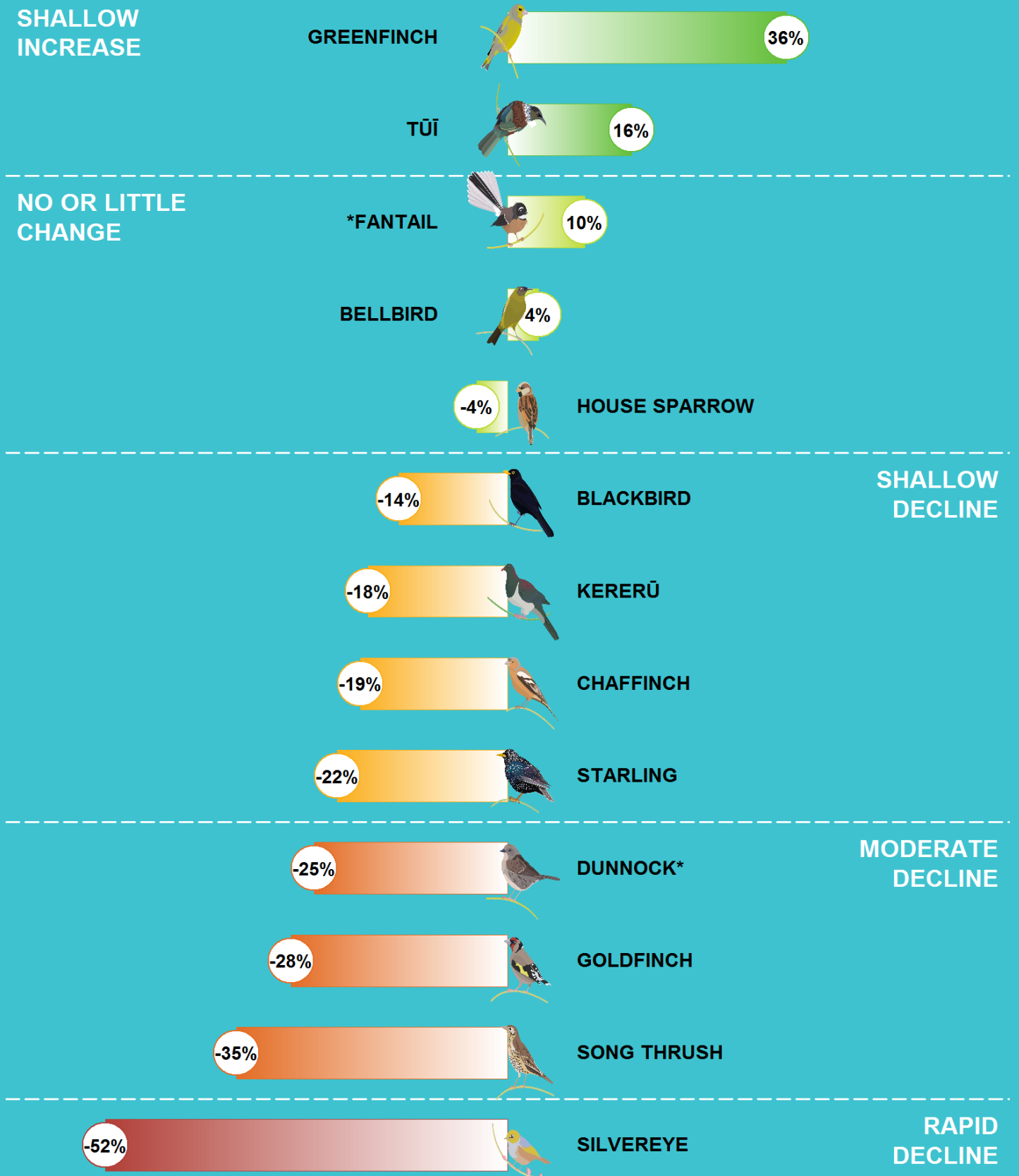
MODERATE INCREASE

RAPID INCREASE

# How have bird counts changed?



## NELSON REGION | 2007-2017

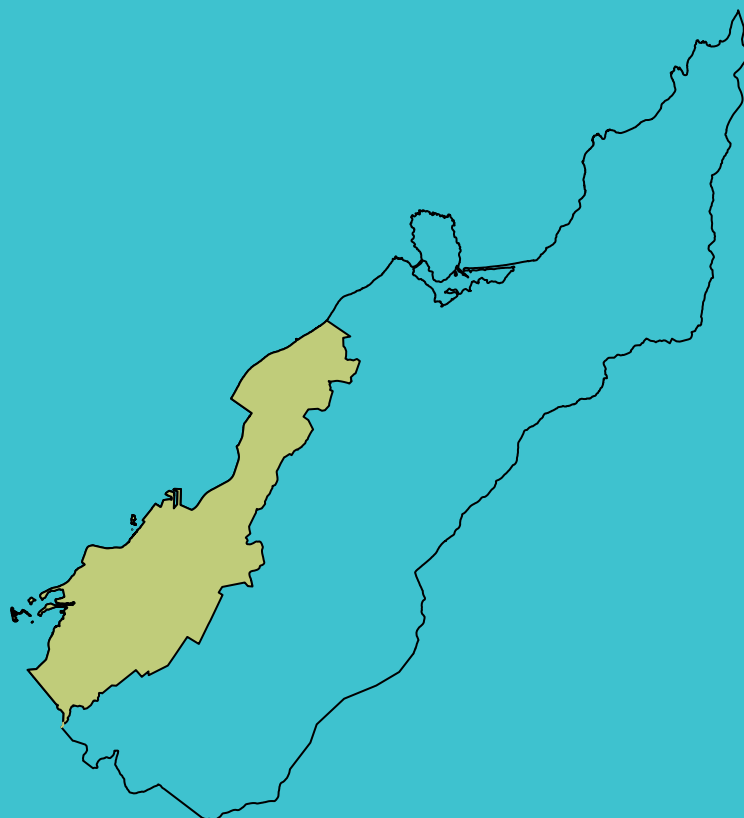


Data source: 31,679 garden surveys nationwide between 2007 and 2017. This includes 477 garden surveys in this specific area.

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



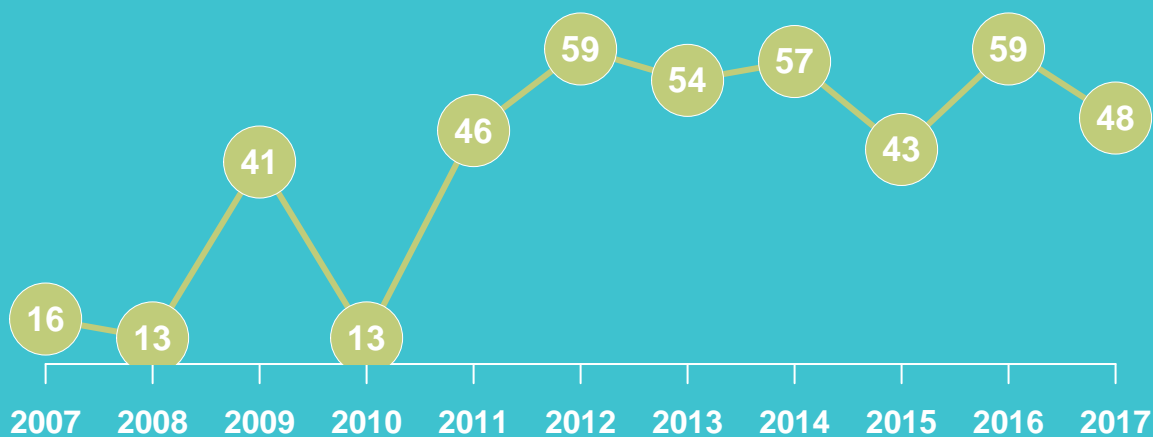
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**GARDEN  
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## NELSON REGION

## NELSON

NUMBER OF SURVEYED GARDENS



Manaaki  
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# How have bird counts changed?

NELSON REGION | 2007-2017

Nelson



SHALLOW  
INCREASE

GREENFINCH



36%

TŪI



16%

NO OR LITTLE  
CHANGE

\*FANTAIL



10%

BELLBIRD



4%

-4%



HOUSE SPARROW

-14%



BLACKBIRD

SHALLOW  
DECLINE

-17%



KERERŪ

-19%



CHAFFINCH

-22%



STARLING

-26%



DUNNOCK\*

MODERATE  
DECLINE

-28%



GOLDFINCH

-35%



SONG THRUSH

-52%



SILVEREYE

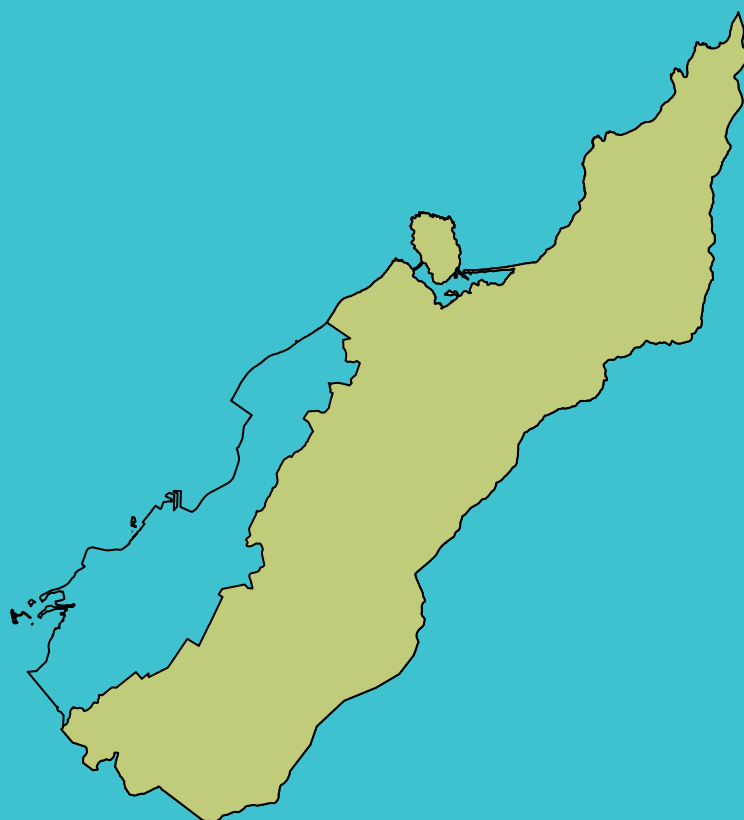
RAPID  
DECLINE

Data source: 31,679 garden surveys nationwide between 2007 and 2017.  
This includes 449 garden surveys in this specific area.

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



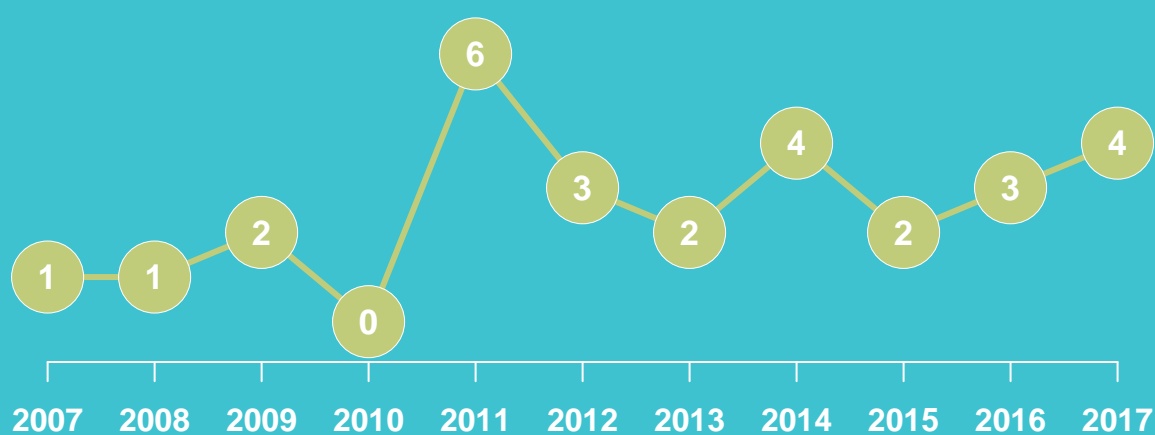
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## NELSON REGION

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

NUMBER OF SURVEYED GARDENS



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# How have bird counts changed?



NELSON REGION | 2007-2017

Rural (Incl.some Off Shore Islands)

## SHALLOW INCREASE

HOUSE SPARROW



34%

GREENFINCH



33%

TŪĪ



15%

## NO OR LITTLE CHANGE

FANTAIL



5%

BELLBIRD



1%

-16%



BLACKBIRD

SHALLOW DECLINE

-17%



DUNNOCK

-19%



STARLING

-20%



CHAFFINCH

-21%



KERERŪ

-30%



SONG THRUSH

MODERATE DECLINE

-33%



GOLDFINCH

-59%



SILVEREYE

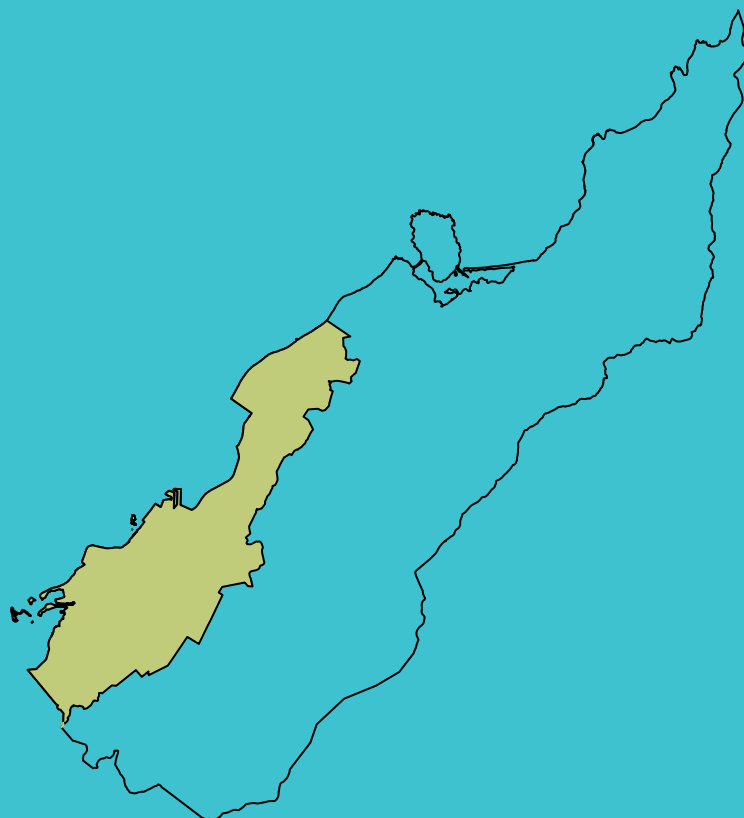
RAPID DECLINE

Data source: 31,679 garden surveys nationwide between 2007 and 2017. This includes 28 garden surveys in this specific area.

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



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## NELSON REGION

### NELSON

NUMBER OF SURVEYED GARDENS



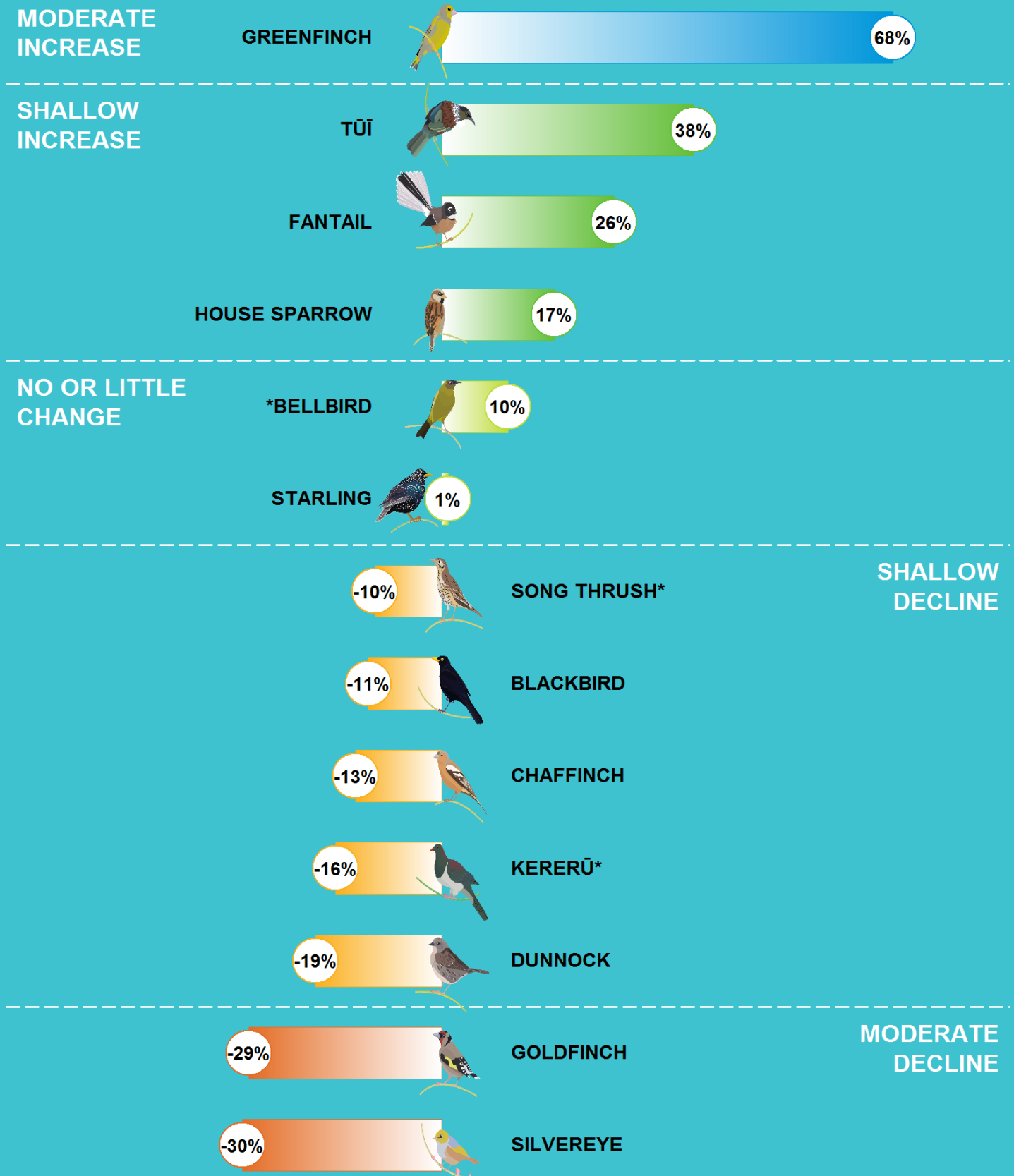
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# How have bird counts changed?

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.



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# 2018

30 June to 8 July

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

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