

## WEST COAST REGION

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

## NUMBER OF SURVEYED GARDENS



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



## Counts increase



## How have bird counts changed?

## WEST COAST REGION | 2007-2017

SHALLOW
INCREASE

TŪĨ



STARLING*

SONG THRUSH


GOLDFINCH
$-28 \%$
DUNNOCK

SILVEREYE

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

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## WEST COAST REGION

## GREYMOUTH

NUMBER OF SURVEYED GARDENS


## How have bird counts changed?

WEST COAST REGION | 2007-2017
Greymouth
SHALLOW
INCREASE


NO OR LITTLE CHANGE
*KERERŪ

*HOUSE SPARROW
9\%


Data source: 31,679 garden surveys nationwide between 2007 and 2017. This includes 58 garden surveys in this specific area.

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

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## WEST COAST REGION

## HOKITIKA

NUMBER OF SURVEYED GARDENS


## How have bird counts changed?

 WEST COAST REGION | 2007-2017 HokitikaSHALLOW
INCREASE


NO OR LITTLE CHANGE


BLACKBIRD*


Data source: 31,679 garden surveys nationwide between 2007 and 2017.
This includes 35 garden surveys in this specific area.

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

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## WEST COAST REGION

REEFTON

NUMBER OF SURVEYED GARDENS


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## How have bird counts changed?

WEST COAST REGION | 2007-2017
Reefton
SHALLOW
INCREASE


TŪİ

*FANTAIL


NO OR LITTLE CHANGE

## BELLBIRD

KERERŪ*

## -8\%

BLACKBIRD


Data source: 31,679 garden surveys nationwide between 2007 and 2017. This includes 10 garden surveys in this specific area.

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

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## WEST COAST REGION

 RURAL (INCL.SOME OFF SHORE ISLANDS)NUMBER OF SURVEYED GARDENS


## How have bird counts changed?

## WEST COAST REGION | 2007-2017 <br> Rural (Incl.some Off Shore Islands)

MODERATE INCREASE
SHALLOW

INCREASE


48\%

52\%
*GREENFINCH TŪİ

HOUSE SPARROW
12\%

NO OR LITTLE CHANGE
*KERERŪ

FANTAIL




## WEST COAST REGION

RURAL CENTRE

NUMBER OF SURVEYED GARDENS


## How have bird counts changed?

WEST COAST REGION | 2007-2017
Rural Centre
SHALLOW
INCREASE

GREENFINCH


HOUSE SPARROW
18\%

TŪT
17\%

NO OR LITTLE CHANGE

FANTAIL


BELLBIRD

*KERERŪ
$-31 \%$
DUNNOCK

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



## WEST COAST REGION

## WESTPORT

NUMBER OF SURVEYED GARDENS


## How have bird counts changed?

WEST COAST REGION | 2007-2017
Westport


NO OR LITTLE
CHANGE
*HOUSE SPARROW
$10 \%$


Data source: 31,679 garden surveys nationwide between 2007 and 2017.
This includes 20 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

